

**REMARKS**

**I. Status of Claims**

Claims 95, 112, 142-147, 152, 158-160, 167, 168, 179-181, 300, and 301 are currently pending in this application. Claims 1-94, 96-11, 113-141, 148-151, 153-157, 161-166, 169-178, 182-281, 286, and 288-299 have been canceled without prejudice to or disclaimer of the subject matter therein, and claims 282-285, and 287 have been withdrawn. New claims 300 and 301 have been added.

Support for new claim 300 can be found in the application as originally filed, for example on page 12, fourth paragraph, reciting Uniclear and that Uniclear "may be mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine." See also International Cosmetic Ingredient Dictionary and Handbook ("CTFA") page 657-58 (attached herewith as Exhibit 1), reciting that ethylenediamine/stearyl dimer tallate copolymer is at least one copolymer of ethylenediamine and tall oil dimer acid monomers, end-blocked with stearyl alcohol, and further reciting that a trade name for ethylenediamine/stearyl dimer tallate copolymer is Uniclear.

Support for new claim 301 can be found in the application as originally filed, for example on page 12, fourth paragraph, reciting Uniclear and that Uniclear "may be mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine." See also International Cosmetic Ingredient Dictionary and Handbook ("CTFA") page 657-58 (attached herewith as Exhibit 1), reciting that ethylenediamine/stearyl dimer dilinoleate copolymer is at least one copolymer of ethylenediamine and dilinoleic acid monomers, end-blocked with stearyl alcohol, and further reciting that a trade name for ethylenediamine/stearyl dimer dilinoleate copolymer is Uniclear. Thus,

the specification reasonably conveys a composition comprising at least one ethylenediamine/stearyl dimer tallate copolymer and a composition comprising at least one ethylenediamine/stearyl dimer dilinoleate copolymer, as claimed in new claims 300 and 301.

The Title and Abstract have been amended to more accurately describe the presently claimed invention. Support for the new Title and Abstract can be found throughout the application as originally filed, and as discussed above. Accordingly, no new matter has been added.

## **II. Rejections under 35 U.S.C. § 103**

### **A. Ross in view of Arnaud**

Claims 1-27, 40-46, 50-63, 66, 69-111, 131-138, 142-155, 187-213, 226-281, 286, and 289-299 were rejected under 35 U.S.C. § 103 as obvious over U.S. Patent No. 5,500,209 to Ross et al. ("Ross") in view of U.S. Patent No. 5,908,631 to Arnaud et al. ("Arnaud"). Although several of these claims have been canceled herein, Applicants respectfully traverse the rejection to the extent the Examiner would choose to maintain it with respect to any of the currently pending claims.

According to the Examiner, "Ross discloses compositions containing [a] polyamide-gelling agent," such as Macromelt 6212. Office Action at 2, citing Ross, col. 14, ll. 52-53. The Examiner admits that "Ross does not mention oil-soluble polymer[s]," yet attempts to rectify this deficiency in Ross with Arnaud, stating that "Arnaud discloses [a] mono[h]ydric alcohol free composition comprising solubilized ethyl cellulose for topical use." Office Action at 2. The Examiner then concludes that "[i]t would have

been obvious to add to the composition of Ross, the ethyl cellulose (of Arnaud) to enhance adhesion, durability[,] viscosity and hydrophobicity efficacy.” *Id.* Applicants disagree.

In order to establish a *prima facie* case of obviousness, the Examiner must, among other things, show some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference teachings. M.P.E.P. § 2143. It is not enough that references can be combined or modified. According to the Federal Circuit, such a showing “does not render the resultant combination obvious unless the prior art also suggests the desirability of the combination.” *Id.* at 2143.01 (citing *In re Mills*, 916 F.2d 680 (Fed Cir. 1990)). The Examiner’s conclusion that, because both references contain certain ingredients, one of ordinary skill in the art would be motivated to combine them simply does not meet the Federal Circuit’s high threshold requirement.

After a thorough review of the Office Action and the cited references, it appears the only noted “suggestion” to combine the references’ teachings mentioned by the Examiner is the desirability touted in Arnaud for the composition’s “enhanc[ed] adhesion, durability, viscosity and hydrophobicity.” See Office Action at 2; Arnaud, col. 1, ll. 53-54. However, the Examiner fails to explain why these properties would create any suggestion or motivation to combine Arnaud with Ross. Ross discloses a deodorant and antiperspirant composition containing a polyamide gelling agent which clearly would not benefit from, but rather would be hindered by, “enhanc[ed] adhesion, durability, viscosity and hydrophobicity.”

More specifically, Ross unequivocally praises the virtues of *decreasing* adhesion and hydrophobicity: “Desirably, the composition according to the present invention includes a surface active agent, to ensure rinsability of the formula.” Ross, col. 16, ll. 55-57. Indeed, common sense dictates that one of ordinary skill in the art would have no motivation to make a deodorant composition with the adhesive and hydrophobic properties characteristic of the makeup compositions disclosed in Arnaud, and the Examiner has failed to establish otherwise. As Ross makes clear, the deodorant and antiperspirant composition should ideally have good rinsability. Therefore, no *prima facie* case of obviousness has been established, and Applicants respectfully request withdrawal of the rejection.

**B. Ross in view of Arnaud and further in view of Pavlin**

Claims 28-39, 112-130, and 214-225 were rejected under 35 U.S.C. § 103 as obvious over Ross in view of Arnaud and further in view of U.S. Patent No. 5,783,657 to Pavlin et al. (“Pavlin”). Although several of these claims have been canceled herein, Applicants respectfully traverse the rejection to the extent the Examiner would choose to maintain it with respect to any of the currently pending claims.

Relying on both Ross and Arnaud, the Examiner, as discussed above, admits that neither Ross nor Arnaud teaches or suggests the structuring polymer as claimed in current claim 112, comprising a polymer of formula (I). The Examiner, however, relies on Pavlin for “disclos[ing] ester-terminated polyamides of polymerized fatty acids useful in gels.” Office Action at 3. Thus, the Examiner concludes that “it would have been



obvious from [the] teachings of Pavlin that the polymer of Ross can be represented by a formula as shown by Pavlin.” *Id.*

The supplementary reference Pavlin, however, does not cure the deficiencies of Ross and Arnaud discussed above, as the Examiner has not provided any helpful rationale, as he must, for why one of ordinary skill in the art would have been motivated to combine Pavlin with either Arnaud or Ross. As the Federal Circuit has recently emphasized:

The factual inquiry whether to combine references must be thorough and searching. It **must be based on objective evidence of record** . . . . Thus the Board must not only assure that the requisite findings are made, based on evidence of record, but **must also explain the reasoning by which the findings are deemed to support the agency’s conclusion.**

*In re Lee*, 277 F.3d 1338, 1342 (Fed. Cir. 2002) (emphasis added). There is simply no motivation set forth in the present Office Action that establishes that one of ordinary skill in the art would have been motivated to combine Pavlin with either Ross or Arnaud. , Thus, no *prima facie* case of obviousness has been established.

**C. Ross in view of Arnaud, and further in view of Mondet**

Claims 64, 65, 67, 68, and 156-186 were rejected under 35 U.S.C. § 103 as obvious over Ross in view of Arnaud, and further in view of U.S. Patent No. 6,180,123 to Mondet et al. (“Mondet”). Although several of these claims have been canceled herein, Applicants respectfully traverse the rejection to the extent the Examiner would choose to maintain it with respect to any of the currently pending claims

The Examiner admits that neither Ross nor Arnaud discloses “gum as an ingredient of gel.” Office Action at 3. However, the Examiner alleges that “Mondet

discloses [a] composition in which alkylated guar gums are used as thickening agents," and therefore, "it would have been obvious to use the alkylated guar gums (of Mondet) as thickening agents[s] in [the] composition of Ross to enhance stability and to increase viscosity." *Id.* Mondet cannot cure the deficiencies of Ross and Arnaud, discussed above, and thus, no *prima facie* case of obviousness has been established.

**D. Ross in view of Arnaud and further in view of Ferrari**

Claims 47-49 and 139-141 were rejected under 35 U.S.C. § 103 as obvious over Ross in view of Arnaud, and further in view of U.S. Patent No. 6,402,408 to Ferrari et al. ("Ferrari"). While Applicants disagree with the Examiner's characterization of the references and do not believe a *prima facie* case of obviousness has been established, this rejection is rendered moot by the cancellation of claims 47-49 and 139-141 herein. Furthermore, Applicants note that the Examiner has not made any showing that Ferrari cures the deficiencies of Ross in view of Arnaud, as discussed above, and thus, no *prima facie* case of obviousness exists with respect to any of the pending claims.

**E. Tournilhac in view of Arnaud**

Claim 288 has been rejected under 35 U.S.C. § 103 as obvious over U.S. Patent No. 6,287,552 to Tournilhac et al. ("Tournilhac") in view of Arnaud. While Applicants disagree with the Examiner's characterization of the references and do not believe a *prima facie* case of obviousness has been established, this rejection is rendered moot by the cancellation of claim 288 herein. Furthermore, Tournilhac in view of Arnaud does

not teach or suggest all limitations of the currently pending claims, and thus, no *prima facie* case of obviousness exists with respect to any of the pending claims.

### **III. U.S. Patent No. 6,497,861 to Wang et al.**

As referenced in the Information Disclosure Statement filed July 24, 2003, Applicants are aware of U.S. Patent No. 6,497,861 to Wang et al. ("Wang"), filed June 21, 2001. However, Applicants do not believe that this patent is prior art with respect to the present application. In this regard, Applicants point out that the instant application was filed on December 12, 2000, more than six months prior to the filing date of Wang. Nor do Applicants believe that the claims presented herein define the same patentable invention as any of those of Wang. Hence, Applicants do not believe that there is any interfering subject matter between the present claims and those of Wang.

### **IV. Commonly Assigned Applications and Patents**

Applicants have identified the related copending applications and patents below in Table 2 that were filed prior to December 12, 2000. Applicants do not believe that any of the identified copending U.S. Patent Applications or any relevant publications thereof or relevant PCT publications of a counterpart thereof, describes or suggests the subject matter of the claims of the present application under 35 U.S.C. § 102(e) and/or § 103.

Also listed in Table 2, below, is the publication information (U.S. Published Applications and/or U.S. Patents), if any, that correspond to these copending applications and their dates of publication. Applicants assert that all of the applications

and patents listed in Table 2 that were filed prior to the instant application's priority date were commonly owned by the Assignee at the time the instant invention was made, which instant invention was also subject to assignment to the Assignee. Moreover, Applicants have provided for the Examiner's convenience the available assignment information in Table 2 or confirmed the obligation of assignment with the assignee, demonstrating that none of these applications, patents, or publications is available as § 102(e)/§ 103 prior art against the pending claims. See 35 U.S.C. § 103(c).

**V. Patentability over Copending Applications and Patents Issued Therefrom Cited in Information Disclosure Statements**

For the Examiner's convenience, Applicants identify in Table 2 below 41 related copending applications and patents, including the instant application, as well as those listed on the PTO Forms 1449 filed on March 20, 2002, July 24, 2003, May 18, 2004, or filed herewith, including filing date, assignment, and inventor information. This should assist the Examiner in assessing any possible issues under obviousness-type and/or statutory double patenting. For the Examiner's convenience, Applicants provide Exhibit 2, which contains all of the currently pending claims of the 41 applications and patents, including the instant claims.

**Table 2.**

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
05725.0594-00000	09/733,899	December 12, 2000	Mohamed KANJI, Carl ORR, and Carlos O. PINZON	COSMETIC COMPOSITIONS CONTAINING AT LEAST ONE HETERO POLYMER AND AT LEAST ONE	Reel 011723, Frame 0503, on April 20, 2001	U.S. Published Application No. US 2002/011477 3 A1

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
				AT LEAST ONE FILM-FORMING SILICONE RESIN AND METHODS OF USING		Dated: August 22, 2002
05725.0595-00000	09/733,900	December 12, 2000	Carlos O. PINZON and Paul THAU	COSMETIC COMPOSITIONS CONTAINING HETEROPOLYMERS AND OIL-SOLUBLE CATIONIC SURFACTANTS AND METHODS OF USING SAME	Reel 011639, Frame 0897, on March 23, 2001	U.S. Published Application No. US 2002/012278 1 A1 (Republished US 2003/008212 6A9 on May 1, 2003) Dated: September 5, 2002
05725.0656-00000	09/618,066	July 17, 2000	Véronique FERRARI and Pascal SIMON	COMPOSITIONS IN RIGID FORM STRUCTURED WITH A POLYMER	Reel 011057, Frame 0676, on September 11, 2000	N/A: Will not publish
05725.0656-01000	09/685,577	October 11, 2000	Véronique FERRARI and Pascal SIMON	COMPOSITIONS IN RIGID FORM STRUCTURED WITH A POLYMER	Reel 011455, Frame 0203, on January 22, 2001	N/A: Will not publish
05725.0659-00000	09/618,032, issued on June 11, 2002, as U.S. Patent No. 6,402,408	July 17, 2000	Véronique FERRARI	COMPOSITION CONTAINING A LIQUID FATTY PHASE GELLED WITH A POLYAMIDE CONTAINING ESTER END GROUPS	Reel 011057, Frame 0007, on September 12, 2000	U.S. Patent No. 6,402,408 Dated: June 11, 2002
05725.0659-01000	09/685,578	October 11, 2000	Véronique FERRARI	COMPOSITION CONTAINING A LIQUID FATTY PHASE GELLED WITH A POLYAMIDE CONTAINING ESTER END	Reel 011549, Frame 0914, on February 20, 2001	N/A: Will not publish

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
				GROUPS		
05725.0795-01000	10/182,830	August 2, 2002  371 (c) Date: January 21, 2003	Roberto CAVA-ZZUTI, Véronique FERRARI, Brian MATTOX, Carlos O. PINZON, and Paul THAU	USE OF POLYAMIDE POLYMER IN A MASCARA COMPOSITION COMPRISING AT LEAST ONE SOLID SUBSTANCE HAVING A MELTING POINT OF 45°C OR GREATER	Reel 014040, Frame 0345, on May 7, 2003	U.S. Published Application No. 2003/014783 7 A1  Dated: August 7, 2003
05725.0795-02000	10/787,441	February 27, 2004	Roberto CAVA-ZZUTI, Véronique FERRARI, Brian MATTOX, Carlos O. PINZON, and Paul THAU	METHOD OF MAKING A MASCARA COMPOSITION COMPRISING POLYAMIDE POLYMER AND AT LEAST ONE SOLID SUBSTANCE HAVING A MELTING POINT OF 45°C OR GREATER	Reel 014040, Frame 0345, on May 7, 2003	US Published Application No. 2004-0166133 A1  Dated August 26, 2004
05725.0806-00000	09/733,896	December 12, 2000	Carlos O. PINZON and Paul THAU	COMPOSITIONS CONTAINING HETEROPOLYMERS AND OIL-SOLUBLE POLYMERS AND METHODS OF USING SAME	Reel 011765, Frame 0183, on April 26, 2001	U.S. Published Application No. US 2002/012003 6 A1 (Republished US 2003/012542 7 A9 on July 3, 2003)  Dated: August 29, 2002
05725.0808-00000	09/733,898	December 12, 2000	Carlos O. PINZON, Paul THAU, and Isabelle BARA	COMPOSITIONS CONTAINING HETEROPOLYMERS AND OIL-SOLUBLE ESTERS AND	Reel 011654, Frame 0869, on April 2, 2001	U.S. Published Application No. US 2002/010731 4 A1

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
			BARA	METHODS OF USING SAME		4 A1 Dated: August 8, 2002
05725.0808-02000	10/918,579	August 16, 2004	Carlos O. PINZON, Paul THAU, and Isabelle BARA	COMPOSITIONS CONTAINING HETEROPOLYMERS AND OIL-SOLUBLE ESTERS AND METHODS OF USING SAME	Reel 011654, Frame 0869, on April 2, 2001	Not yet published
05725.0809-00000	09/733,897	December 12, 2000	Carlos O. PINZON and Paul THAU	COMPOSITIONS CONTAINING HETEROPOLYMERS AND METHODS OF USING SAME	Reel 011646, Frame 0966, on April 4, 2001	U.S. Published Application No. US 2002/011133 0 A1 Dated: August 15, 2002
05725.0816-01000	10/203,018	August 5, 2002  371 (c) Date: March 24, 2003	Véronique FERRARI, Richard KOLODZIEJ, Carlos O. PINZON, and Paul THAU	USE OF POLYAMIDE POLYMER IN A MASCARA COMPOSITION COMPRISING AT LEAST ONE INERT FILLER	Reel 014055, Frame 0428, on March 24, 2003	U.S. Published Application No. US 2003/016184 8 A1 Dated: August 28, 2003
05725.0816-02000	10/787,440	February 27, 2004	Véronique FERRARI, Richard KOLODZIEJ, Carlos O. PINZON, and Paul THAU	METHOD OF MAKING A MASCARA COMPOSITION COMPRISING A POLYAMIDE POLYMER AND AT LEAST ONE INERT FILLER	Reel 014055, Frame 0428, on March 24, 2003	U.S. Published Application No. US 2004-0166076 A1 Dated August 26, 2004
05725.0817-01000	10/203,254	August 7, 2002  371 (c) Date: December	Véronique FERRARI, Carlos O. PINZON, and Paul THAU	COSMETIC COMPOSITIONS CONTAINING AT LEAST ONE HETEROPOLYMER AND AT LEAST ONE	Reel 013607, Frame 0258, on December 20, 2002	U.S. Published Application No. US 2003/018578 0 A1

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
		20, 2002		GELLING AGENT AND METHODS OF USING THE SAME		Dated: October 2, 2003
05725.0819-01000	10/129,377	May 3, 2002  371 (c) Date: October 16, 2002	Véronique FERRARI	COMPOSITION STRUCTURED WITH A POLYMER CONTAINING A HETEROATOM AND AN ORGANOCELL-ATOR	Filed October 16, 2002. Not yet recorded.	Not yet published
05725.0832-00000	09/749,036	December 28, 2000	Véronique FERRARI and Véronique JACQUES	COMPOSITION COMPRISING AT LEAST ONE HETERO POLYMER AND AT LEAST ONE PASTY FATTY SUBSTANCE AND METHODS FOR USE	Reel 011723, Frame 0518, on April 20, 2001	U.S. Published Application No. US 2001/003128 0 A1  Dated: October 18, 2001
05725.0895-00000	09/971,028 issued on April 6, 2004 as U.S. Patent No. 6,716,420	October 5, 2001	Mohamed KANJI	METHODS OF USE AND OF MAKING A MASCARA COMPRISING AT LEAST ONE COLORING AGENT AND AT LEAST ONE HETEROPOLYMER	Reel 012411, Frame 0820, on December 28, 2001	U.S. Published Application No. US 2003/008688 3 A1  Dated: May 8, 2003
05725.0895-01000	10/413,217	April 15, 2003	Mohamed KANJI	METHODS OF USE AND OF MAKING A MASCARA COMPRISING AT LEAST ONE COLORING AGENT AND AT LEAST ONE POLYAMIDE POLYMER CHOSEN FROM ETHYLENEDIAM	Reel 012411, Frame 0820, on December 28, 2001	U.S. Published Application No. US 2003/019861 3 A1  Dated: October 23, 2003



Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
				INE/STEARYL DIMER TALLATE COPOLYMER		
05725.0895-02000	10/699,780	November 4, 2003	Sue FENG and Mohamed KANJI	METHODS OF DISPERSING AT LEAST ONE COLORING AGENT USING AT LEAST ONE HETEROPOLYMER	Reel 012411, Frame 0820, on December 28, 2001	U.S. Published Application No. US 2004/009151 0 A1 Dated: May 13, 2004
05725.0896-00000	10/198,931	July 22, 2002	Mohamed KANJI	COMPOSITIONS COMPRISING AT LEAST ONE HETEROPOLYMER AND FIBERS, AND METHODS OF USING THE SAME	Reel 013410, Frame 0044, on October 21, 2002	U.S. Published Application No. US 2004/001362 5 A1 Dated: January 22, 2004
05725.0920-00000	09/899,909, issued on August 13, 2002 as U.S. Patent No. 6,432,391	July 9, 2001	Isabelle BARA	TRANSPARENT SCENTED SOLID COSMETIC COMPOSITION	Reel 012278, Frame 0077, on October 23, 2001	U.S. Patent No. 6,432,391 Dated: August 13, 2002
05725.0932-00000	09/937,314	September 24, 2001  371 (c) Date: December 6, 2001	Véronique FERRARI	A TRANSFER-FREE MASCARA COMPOSITION COMPRISING AT LEAST ONE VOLATILE SOLVENT AND AT LEAST ONE POLYMER	Reel 012476, Frame 0507, on January 17, 2002	U.S. Published Application No. US 2004/008647 8 A1 Dated: May 6, 2004
05725.0932-01000	Not yet assigned	November 22, 2004	Véronique FERRARI	A TRANSFER-FREE MASCARA COMPOSITION COMPRISING AT LEAST ONE VOLATILE SOLVENT AND AT LEAST ONE	Reel 012476, Frame 0507, on January 17, 2002	Not yet published

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
				POLYMER		
05725.1003-00000	10/012,029	December 11, 2001	Nathalie COLLIN	COSMETIC COMPOSITION COMPRISING A POLYMER BLEND	Reel 013142, Frame 0645, on August 1, 2002	U.S. Published Application No. US 2003/001276 4 A1 Dated: January 16, 2003
05725.1003-01000	Not yet assigned	November 22, 2004	Nathalie COLLIN	COSMETIC COMPOSITION COMPRISING A POLYMER BLEND	Reel 013142, Frame 0645, on August 1, 2002	Not yet published
05725.1004-00000	10/012,051	December 11, 2001	Nathalie COLLIN	USE OF AT LEAST ONE POLYAMIDE POLYMER IN A MASCARA FOR RAPIDLY INCREASING THE AMOUNT OF MAKE-UP DEPOSITED ON EYELASHES	Reel 012847, Frame 0285, on April 30, 2002	U.S. Published Application No. US 2002/018903 0 A1 Dated: December 19, 2002
05725.1004-01000	Not yet assigned	November 18, 2004	Nathalie COLLIN	USE OF AT LEAST ONE POLYAMIDE POLYMER IN A MASCARA FOR RAPIDLY INCREASING THE AMOUNT OF MAKE-UP DEPOSITED ON EYELASHES	Reel 012847, Frame 0285, on April 30, 2002	Not yet published
05725.1005-00000	10/012,052	December 11, 2001	Nathalie COLLIN	COSMETIC COMPOSITION CONTAINING A WAX AND A POLYMER	Reel 012847, Frame 0264, on April 30, 2002	U.S. Published Application No. US 2002/016833 5 A1 Dated: November 14, 2002

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
05725.1018-00000	10/046,568	January 16, 2002	Xavier BLIN, Véronique FERRARI, and Frédéric AUGUSTE	NAIL POLISH COMPOSITION COMPRISING A POLYMER	Reel 013109, Frame 0731, on July 18, 2002	U.S. Published Application No. US 2002/019216 8 A1  Dated: December 19, 2002
05725.1020-00000	10/047,987	January 17, 2002	Véronique FERRARI	COSMETIC COMPOSITION COMPRISING A POLYMER AND A FLUORO OIL	Reel 012910, Frame 0028, on May 17, 2002	U.S. Published Application No. US 2002/017269 6 A1  Dated: November 21, 2002
05725.1187-00000	10/312,083	December 23, 2002  371 (c) Date: March 26, 2003	Patricia LEMANN	COSMETIC COMPOSITION COMPRISING AN EMULSION CONTAINING A LIQUID FATTY PHASE STRUCTURED WITH A POLYMER, AND AN ALKYLENE-OXIDE-CONTAINING EMULSION STABILIZER	Reel 014039, Frame 0976, on March 26, 2003	U.S. Published Application No. US 2003/016180 7 A1  Dated: August 28, 2003
05725.1198-00000	10/450,108	June 11, 2003  371 (c) Date: June 11, 2003	Nathalie COLLIN	COSMETIC COMPOSITION COMPRISING A POLYMER AND FIBERS	Not yet filed/recorded	U.S. Published Application No. US 2004/002863 6 A1  Dated: February 12, 2004
05725.1228-00000	10/466,166	July 14, 2003  371 (c)	Nathalie COLLIN	COSMETIC COMPOSITION COMPRISING A MIXTURE OF POLYMERS	Filed January 20, 2004. Not yet recorded.	U.S. Published Application No. US 2004/012640

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
		Date: January 20, 2004		POLYMERS		1 A1  Dated: July 1, 2004
05725.1336-00000	10/459,636	June 12, 2003	Shao Xiang LU and Mohamed KANJI	COSMETIC EMULSIONS CONTAINING AT LEAST ONE HETERO POLYMER AND A SUNSCREEN AND METHODS OF USING SAME	Filed October 3, 2003; not yet recorded	U.S. Published Application No. US 2004/004298 0 A1  Dated: March 4, 2004
05725.1337-00000	10/618,315	July 11, 2003	Shao Xiang LU, Terry VAN LIEW, and Nathalie GEFFROY-HYLAND	COSMETIC COMPOSITIONS COMPRISING A STRUCTURING AGENT, SILICONE POWDER AND SWELLING AGENT	Filed August 12, 2003 and January 30, 2004; not yet recorded	Not yet published
05725.1338-01000	10/746,612	December 22, 2003	Shao Xiang LU, Terry VAN LIEW, Nathalie GEFFROY-HYLAND, and Mohamed KANJI	COSMETIC COMPOSITIONS COMPRISING A STRUCTURING AGENT, SILICONE POWDER AND SWELLING AGENT	Not yet filed/recorded	Not yet published
05725.1338-02000	10/747,412	December 22, 2003	Shao Xiang LU and Mohamed KANJI	COSMETIC EMULSIONS CONTAINING AT LEAST ONE HETERO POLYMER AND AT LEAST ONE SUNSCREEN AND METHODS FOR USING THE SAME	Not yet filed/recorded	Not yet published
05725.1378-00000	Not yet assigned	December 23, 2004	Wei YU and Véronique FERRARI	COSMETIC COMPOSITION COMPRISING TWO DIFFERENT	Not yet recorded	Not yet published

Attorney Docket No.	U.S. Patent Application No.	U.S. Filing Date/ 371 (c) Date	Inventors	Title	Assignment Recorded (Reel, Frame, Date)	Publication, Date
				HETERO POLYMERS AND METHOD OF USING SAME		
06028.0018-00000	10/203,375	August 9, 2002  371 (c) Date: August 9, 2002	Nathalie JAGER-LEZER and Jean-Christophe SIMON	COLOURED TRANSPARENT OR TRANSLUCENT COSMETIC COMPOSITION	Reel 013318, Frame 0962, on August 9, 2002	U.S. Published Application No. US 2003/002677 2 A1  Dated: February 6, 2003
06028.0019-00000	10/203,374	August 9, 2002  371 (c) Date: August 9, 2002	Jean-Christophe SIMON and Nathalie JAGER-LEZER	METHOD FOR MAKING A COLOURED MAKE-UP COSMETIC COMPOSITION WITH CONTROLLED TRANSMITTANCE	Reel 013321, Frame 0001; on August 9, 2002	U.S. Published Application No. US 2003/004436 7 A1  Dated: March 6, 2003

## VI. Conclusion

In view of the foregoing amendments and remarks, Applicants respectfully request reconsideration of this application and the timely allowance of the pending claims.

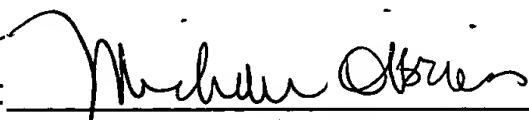
Applicant notes that the Office Action contains numerous characterizations of the invention and the cited art with which Applicant does not necessarily agree. Unless expressly noted otherwise, Applicant declines to subscribe to any statement or characterization in the Office Action.

Please grant any extensions of time required to enter this response and charge any additional required fees to our Deposit Account No. 06-0916.

Respectfully submitted,

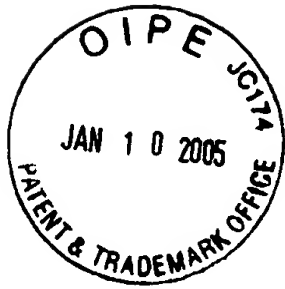
FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: January 10, 2005

By:   
Michelle E. O'Brien  
Reg. No. 46,203

**Attachments:** Exhibit 1: International Cosmetic Ingredient Dictionary and Handbook ("CTFA") page 657-58.

Exhibit 2: Pending Claims in Copending Applications and Patents



**Exhibit 1**  
International Cosmetic Ingredient Dictionary and Handbook  
("CTFA") page 657-58

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# **International Cosmetic Ingredient Dictionary and Handbook**

**Tenth Edition  
2004**

**Editors**

Tara E. Gottschalck  
Gerald N. McEwen, Jr., Ph.D., J.D.

**Volume 1**

***Published by***

**The Cosmetic, Toiletry, and Fragrance Association**  
1101 17th Street, NW, Suite 300  
Washington, D.C. 20036-4702  
[www.ctfa.org](http://www.ctfa.org)

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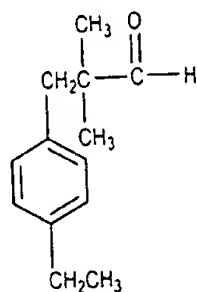
Library of Congress Catalog Card No. 2003106280

ISBN 1-882621-34-4 (4-volume set)

PRINTED IN THE UNITED STATES OF AMERICA

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Definition: Ethyl 2,2-Dimethylhydrocinnamaldehyde aromatic aldehyde that conforms to the formula:



Information Source: RIFM

Chemical Class: Aldehydes

Function: Fragrance Ingredient

Technical/Other Names:

1,1-Dimethyl-3-(4-ethylphenyl)propanal (RIFM)  
1,1-Dimethyl-3-(p-ethylphenyl)propanal  
3-(p-Ethylphenyl)-2,2-Dimethylpropionaldehyde

Trade Name:

Floralozone (International Flavors & Fragrances)

## ETHYLENE/ACRYLIC ACID COPOLYMER

CAS No.: 9010-77-9

Definition: Ethylene/Acrylic Acid Copolymer is a copolymer of ethylene and acrylic acid monomers.

Information Sources: 21CFR177.1310, 21CFR178.1005, CIR: [SQ] IJT 21(SUPPL. 3) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former; Viscosity Increasing Agent - Nonaqueous

Technical/Other Name:

2-Propenoic Acid with Ethene

Trade Names:

A-C Copolymer 540 (Honeywell)  
A-C Copolymer 580 (Honeywell)  
A-C Copolymer 540A (Honeywell)  
AEC Ethylene/Acrylic Acid Copolymer (A & E Connock)  
EA-209 (Kobo)

## ETHYLENE/ACRYLIC ACID/VA COPOLYMER

CAS No.: 26713-18-8

Definition: Ethylene/Acrylic Acid/VA Copolymer is a copolymer of ethylene, acrylic acid and vinyl acetate monomers.

Information Source: CIR: [SQ] IJT 21 (SUPPL. 3) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former; Viscosity Increasing Agent - Nonaqueous

Technical/Other Name:

2-Propenoic Acid, Polymer with Ethene and Ethenyl Acetate

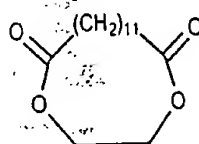
## ETHYLENE BRASSYLATE

CAS No. 105-95-3

EINECS No. 203-347-8

Empirical Formula:  $C_{15}H_{26}O_4$

Definition: Ethylene Brassylate is the cyclic ester that conforms to the formula:



Information Sources: 21CFR172.515, RIFM, TSCA

Chemical Class: Esters

Function: Fragrance Ingredient

Reported Product Categories: Foundations; Moisturizing Preparations; Cleansing Products (Cold Creams, Cleansing Lotions, Liquids and Pads); Personal Cleanliness Products, Misc.

Technical/Other Names:

1,4-Dioxacycloheptadecane-5,17-dione  
Ethylene brassylate (RIFM)  
Ethylene Undecane Dicarboxylate

Trade Name:

AEC Ethylene Brassylate (A & E Connock)

## ETHYLENE/CALCIUM ACRYLATE COPOLYMER

CAS No.: 26445-96-5

Empirical Formula:  $(C_3H_4O_2 \cdot C_2H_4)_x \cdot xCa$

Definition: Ethylene/Calcium Acrylate Copolymer is a copolymer of ethylene and calcium acrylate monomers.

Information Sources: 21CFR175.105, CIR: [SQ] IJT 21(SUPPL. 3) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former

Technical/Other Name:

2-Propenoic Acid, Polymer with Ethene, Calcium Salt

## ETHYLENE CARBONATE

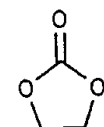
CAS No. 96-49-1

EINECS No. 202-510-0

JPN Translation: 炭酸エチレン

Empirical Formula:  $C_3H_4O_3$

Definition: Ethylene Carbonate is the organic compound that conforms to the formula:



Information Sources: JCIC, JCLS

Chemical Class: Esters

Function: Solvent

Technical/Other Name: 1,3-Dioxolan-2-one

## ETHYLENEDIAMINE/DIMER TALLATE COPOLYMER BIS-HYDROGENATED TALLOW AMIDE

Definition: Ethylenediamine/Dimer Tallate Copolymer Bis-Hydrogenated Tallow Amide is a copolymer of ethylenediamine and tall oil dimer acid monomers, end-blocked with Hydrogenated Tallowamine (q.v.).

Chemical Class: Synthetic Polymers

Functions: Oral Care Agent; Skin-Conditioning Agent - Miscellaneous; Viscosity Increasing Agent - Nonaqueous

Technical/Other Name:

Sylvaclear A200

## ETHYLENEDIAMINE/STEARYL DIMER DILINOLEATE COPOLYMER

Definition: Ethylenediamine/Stearyl Dimer Dilinoleate Copolymer is a copolymer of ethylenediamine and Dilinoleic Acid (q.v.) monomers, end-blocked with stearyl alcohol.

Chemical Class: Synthetic Polymers

Functions: Oral Care Agent; Skin-Conditioning Agent - Miscellaneous; Viscosity Increasing Agent - Nonaqueous

Trade Name:

UNICLEAR (Arizona)

## ETHYLENEDIAMINE/STEARYL DIMER TALLATE COPOLYMER

Definition: Ethylenediamine/Stearyl Dimer Tallate Copolymer is a copolymer of ethyl-

The inclusion of any compound in the Dictionary and Handbook does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

## Ethylenediamine/Stearyl Dimer Tallate Copolymer (Cont.)

enediamine and tall oil dimer acid monomers, end-blocked with stearyl alcohol.

**Chemical Class:** Synthetic Polymers

**Functions:** Oral Care Agent; Skin-Conditioning Agent - Miscellaneous; Viscosity Increasing Agent - Nonaqueous

**Trade Name:**  
UNICLEAR (Arizona)

**Information Sources:** JCIC, JCLS

**Chemical Class:** Amides

**Function:** Skin-Conditioning Agent - Miscellaneous

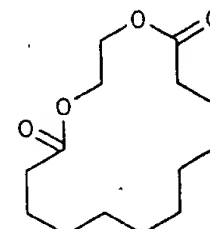
**Technical/Other Name:**  
Condensate of Dilinoleic Acid and Ethylenediamine

## ETHYLENE DODECANEDIOATE

**CAS No.** 54982-83-1 **EINECS No.** 259-423-6

**Empirical Formula:**  
 $C_{14}H_{24}O_4$

**Definition:** Ethylene Dodecanedioate is the organic compound that conforms to the formula:



**Information Source:** RIFM

**Chemical Classes:** Esters; Heterocyclic Compounds

**Function:** Fragrance Ingredient

**Technical/Other Names:**  
Cyclic Ethylene Dodecanedioate  
1,4-Dioxacyclohexadecane-5,16-Dione  
Ethylene dodecanedioate (RIFM)  
Musk C-14

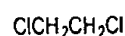
**Trade Name:**  
Zenolide (International Flavors)

## ETHYLENE DICHLORIDE

**CAS Nos.** 107-06-2 **EINECS Nos.** 203-458-1  
1300-21-6 215-077-8

**Empirical Formula:**  
 $C_2H_4Cl_2$

**Definition:** Ethylene Dichloride is the halogenated aliphatic hydrocarbon that conforms to the formula:



**Information Sources:** 21CFR165.110, 21CFR172.560, 21CFR172.710, 21CFR172.864, 21CFR173.165, 21CFR173.230, 21CFR173.315, 21CFR175.105, 21CFR573.440, EEC(II-125), FCC, MI-13(3831), TSCA

**Chemical Class:** Halogen Compounds

**Function:** Not Reported

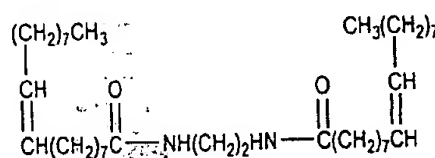
**Technical/Other Names:**  
Dichloroethane  
Ethane, 1,2-Dichloro-

## ETHYLENE DIOLEAMIDE

**CAS No.** 110-31-6 **EINECS No.** 203-756-1

**Empirical Formula:**  
 $C_{38}H_{72}N_2O_2$

**Definition:** Ethylene Dioleamide is the diamide that conforms generally to the formula:



**Information Sources:** 21CFR175.300, TSCA

**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

**Technical/Other Names:**  
N,N'-1,2-Ethanedylbis-9-Octadecenamide  
9-Octadecenamide, N,N'-1,2-Ethanedylbis-

## ETHYLENE/MA COPOLYMER

**CAS No.:** 9006-26-2

**JPN Translation:**  
(エチレン / マレイン酸) コポリマー

**Definition:** Ethylene/MA Copolymer is a polymer of ethylene and maleic anhydride monomers.

**Information Sources:** 21CFR175.105, 21CFR177.1210, 21CFR177.1520, JCIC, JCLS, TSCA

**Chemical Class:** Synthetic Polymers

**Functions:** Binder; Film Former; Suspending Agent - Nonsurfactant

**Technical/Other Names:**  
Ethylene/Maleic Anhydride Copolymer  
2,5-Furandione, Polymer with Ethene

## ETHYLENE/MAGNESIUM ACRYLATE COPOLYMER

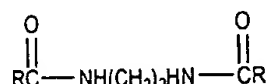
**CAS No.:** 27515-37-3

**Empirical Formula:**  
 $(C_3H_4O_2 \cdot C_2H_4)_x \cdot xMg$

**Definition:** Ethylene/Magnesium Acrylate Copolymer is a copolymer of ethylene and magnesium acrylate monomers.

## ETHYLENE DIHYDROGENATED TALLOW-AMIDE

**Definition:** Ethylene Dihydrogenated Tallowamide is the diamide that conforms generally to the formula:



where RCO- represents the fatty acids derived from hydrogenated tallow.

**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

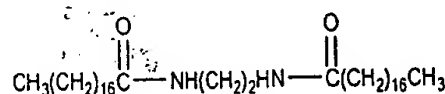
**Technical/Other Names:**  
N,N'-1,2-Ethanedylbis(Hydrogenated Tallowamide)  
(Hydrogenated Tallowamide), N,N'-1,2-Ethanedylbis-

## ETHYLENE DISTEARAMIDE

**CAS No.** 110-30-5 **EINECS No.** 203-755-6

**Empirical Formula:**  
 $C_{38}H_{76}N_2O_2$

**Definition:** Ethylene Distearamide is the diamide that conforms to the formula:



**Information Source:** TSCA

**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

**Technical/Other Names:**  
N,N'-1,2-Ethanedylbisoctadecanamide  
N,N'-Ethylene Bisstearamide  
Octadecanamide, N,N'-1,2-Ethanedylbis-

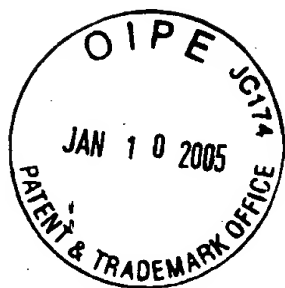
**Trade Name:**  
Lipowax C (Lipo)

## ETHYLENE DILINOLEAMIDE

**Definition:** Ethylene Dilinoleamide is the condensation product of ethylenediamine with Dilinoleic Acid (q.v.).

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

**Exhibit 2**  
**Pending Claims in Copending Applications and Patents**



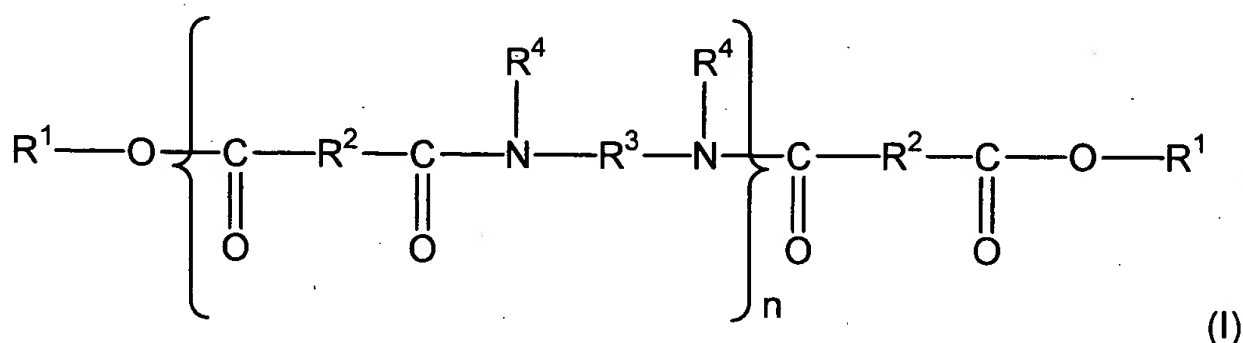
PENDING CLAIMS  
Application No. 09/733,899  
Attorney Docket No. 05725.0594-00000  
Filed: December 12, 2000

1.-244. (Cancelled)

245. (Previously presented) A cosmetic composition comprising:

at least one liquid fatty phase in said cosmetic composition which comprises:

(i) at least one structuring polymer chosen from polymers of formula (I)  
below:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $\text{R}^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $\text{R}^2$ , which are identical or different, are each chosen from  $\text{C}_4$  to  $\text{C}_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $\text{R}^2$  are chosen from  $\text{C}_{30}$  to  $\text{C}_{42}$  hydrocarbon-based groups;

-  $\text{R}^3$ , which are identical or different, are each chosen from  $\text{C}_2$  to  $\text{C}_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

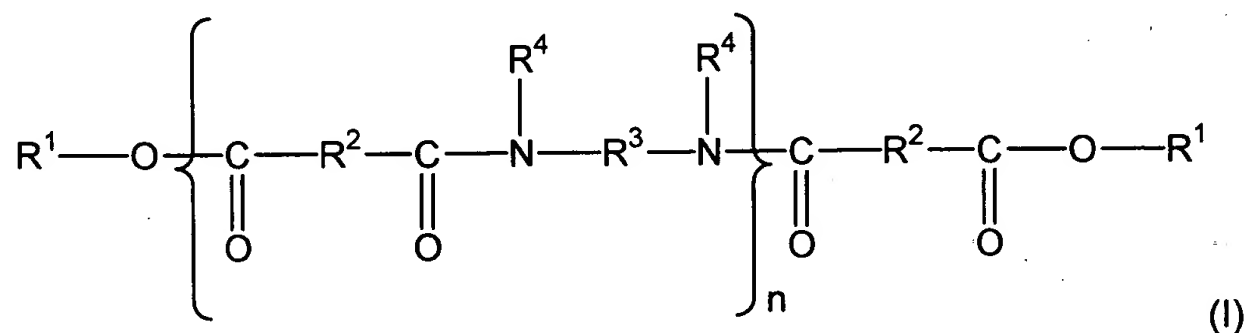
(ii) at least one film-forming silicone resin.

246. (Original) The composition according to claim 245, wherein said composition is a solid.

247. (Previously presented) A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer chosen from polymers of formula (I) below:



in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

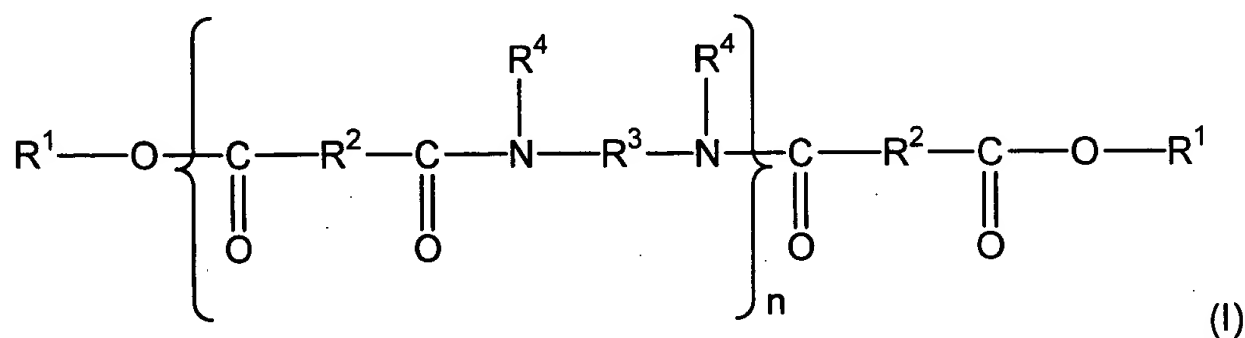
(ii) at least one film-forming silicone resin.

248.-252. (Cancelled)

253. (Previously presented) A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising the application to said keratin material of a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polymers of formula (I) below:



in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from

10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

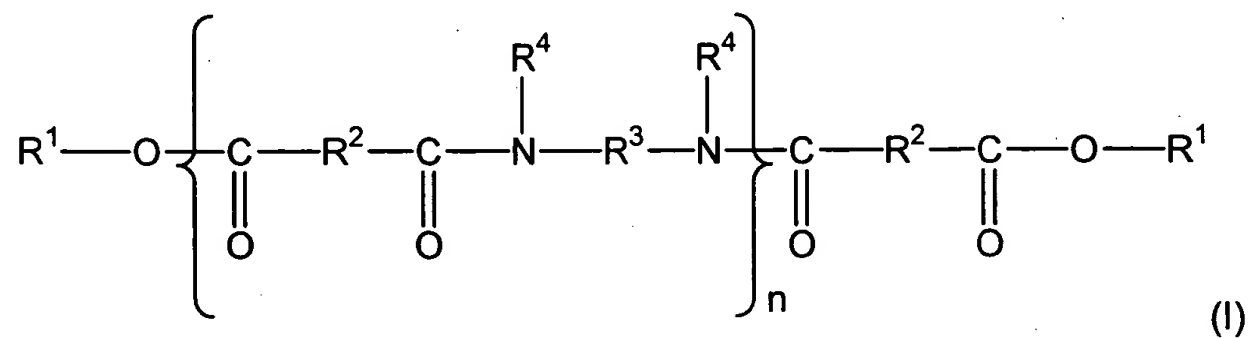
- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

(ii) at least one film-forming silicone resin.

254. (Previously presented) A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polymers of formula (I) below:



in which:



- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

(ii) at least one film-forming silicone resin.

255.-267. (Cancelled)

268. (Previously Presented) The cosmetic composition according to claim 245, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

269. (Previously Presented) The cosmetic composition according to claim 268, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

270. (Previously Presented) The cosmetic composition according to claim 269, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5 + R_6 \geq 10$ ;

- synthetic ethers containing from 10 to 40 carbon atoms;

- $C_8$  to  $C_{26}$  fatty alcohols; and

- $C_8$  to  $C_{26}$  fatty acids.

271. (Previously Presented) The cosmetic composition according to claim 269, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;

- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;

- phenylsilicones; and

- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

272. (Previously Presented) The cosmetic composition according to claim 245, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

273. (Previously Presented) The cosmetic composition according to claim 272, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

274. (Previously Presented) The cosmetic composition according to claim 245, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

275. (Previously Presented) The cosmetic composition according to claim 245, wherein said composition further comprises at least one additional fatty material.

276. (Previously Presented) The cosmetic composition according to claim 275, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

277. (Previously Presented) The cosmetic composition according to claim 245, wherein said at least one film-forming silicone resin is chosen from silsesquioxanes and siloxysilicates.

278. (Previously Presented) The cosmetic composition according to claim 277, wherein said silsesquioxanes comprise repeating units of  $(\text{RSiO}_{3/2})_x$  where X is less than 2000.

279. (Previously Presented) The cosmetic composition according to claim 278, wherein x is 500 or less.

280. (Previously Presented) The cosmetic composition according to claim 277, wherein said silsesquioxanes are chosen from polymethylsilsesquioxanes comprising repeating units of formula  $(\text{CH}_3\text{SiO}_{3/2})$ .

281. (Previously Presented) The cosmetic composition according to claim 277, wherein said siloxysilicates are chosen from trimethylsiloxysilicates.

282. (Previously Presented) The cosmetic composition according to claim 281, wherein said trimethylsiloxysilicates comprise repeating units of  $[(\text{CH}_3)_3\text{-Si-O}]_x\text{-(SiO}_{4/2})_y$ , where x ranges from 50 to 80 and y ranges from 50 to 80.

283. (Previously Presented) The cosmetic composition according to claim 280, wherein said polymethylsilsesquioxanes comprising repeating units of formula  $(\text{CH}_3\text{SiO}_{3/2})$  further comprise up to 1% of polymerized repeating units of formula  $(\text{CH}_3)_2\text{SiO}_{2/2}$ .

284. (Previously Presented) The cosmetic composition according to claim 245, wherein the at least one film-forming silicone resin comprises at least two units chosen from M, D, T, and Q and said at least two units satisfy the relationship  $\text{R}_n\text{SiO}_{(4-n)/2}$  wherein n is a value ranging from 1.0 to 1.50.

285. (Previously Presented) The cosmetic composition according to claim 284, wherein said at least one film-forming silicone resin is a solid at 25°C.

286. (Previously Presented) The cosmetic composition according to claim 284, wherein said at least one film-forming silicone resin has a weight average molecular weight ranging from 1000 to 10000 grams/mole.

287. (Previously Presented) The cosmetic composition according to claim 245, wherein said at least one film-forming silicone resin comprises repeating M units and repeating Q units.

288. (Previously Presented) The cosmetic composition according to claim 287, wherein the ratio of M units to Q units is 0.7:1.

289. (Previously Presented) The cosmetic composition according to claim 245, wherein said composition further comprises at least one additional film-former.

290. (Previously Presented) The cosmetic composition according to claim 245, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

291. (Previously Presented) The cosmetic composition according to claim 245, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

292. (Previously Presented) The cosmetic composition according to claim 245, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

293. (Previously Presented) The make-up and/or care and/or treatment composition according to claim 247, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

294. (Previously Presented) The make-up and/or care and/or treatment composition according to claim 247, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

295. (Previously Presented) The method according to claim 253, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

296. (Previously Presented) The method according to claim 253, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

297. (Previously Presented) The method according to claim 254, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

298. (Previously Presented) The method according to claim 254, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

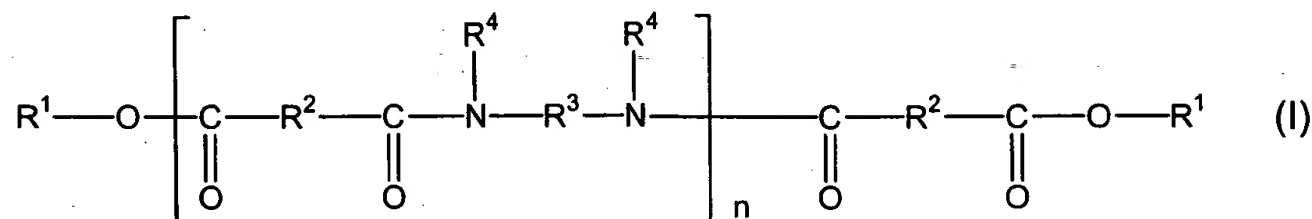


PENDING CLAIMS  
 Application No. 09/733,900  
 Attorney Docket No. 05725.0595  
 Filed: December 12, 2000

1. - 320. (Canceled)

321. (Previously presented) A mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, an eyeshadow, a face powder, a concealer product, a nail composition, a shampoo, a conditioner, an anti-sun product or a care product for the skin, lips, or hair comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, blusher, lipstick, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product, nail composition, shampoo, conditioner, antisun product or care product for the skin, lips, or hair which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

(ii) at least one oil-soluble cationic surfactant.

322. (Original) The composition according to claim 321, wherein said composition is a solid.

323. (Canceled)

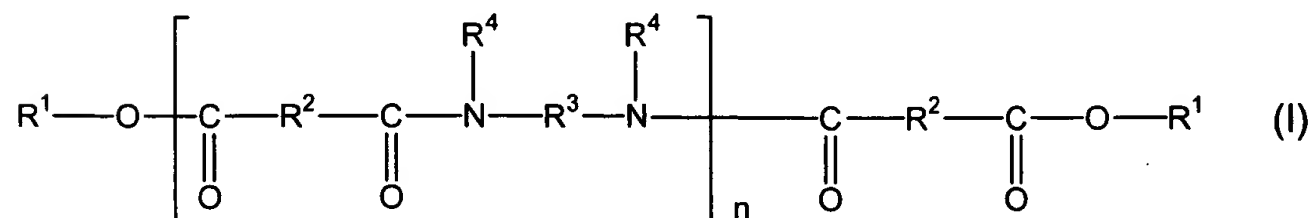
324. (Canceled)

325. (Previously presented) A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:



- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

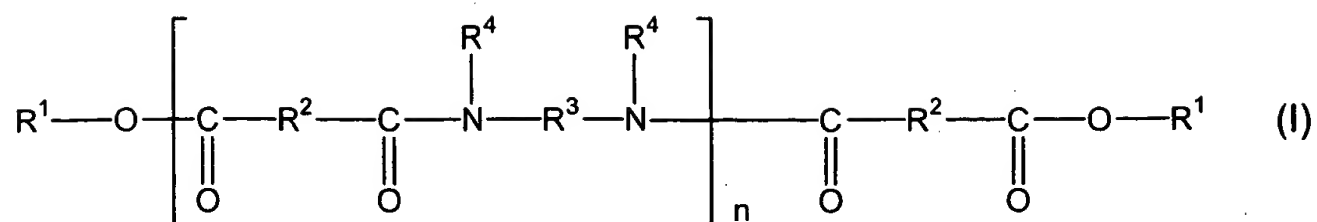
-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

(ii) at least one oil-soluble cationic surfactant.

326. - 329. (Canceled)

330. (Previously presented) A treatment, care or make-up composition for keratinous fibers comprising a structured composition containing

(i) at least one liquid fatty phase structured with at least one structuring polymer chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen,

(ii) at least one oil-soluble cationic surfactant, and

(iii) at least one coloring agent.

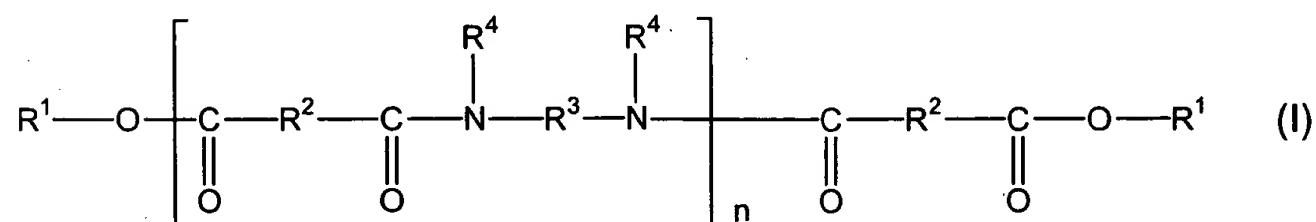
331. - 333. (Canceled)

334. (Previously presented) A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising applying to said keratin material of a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

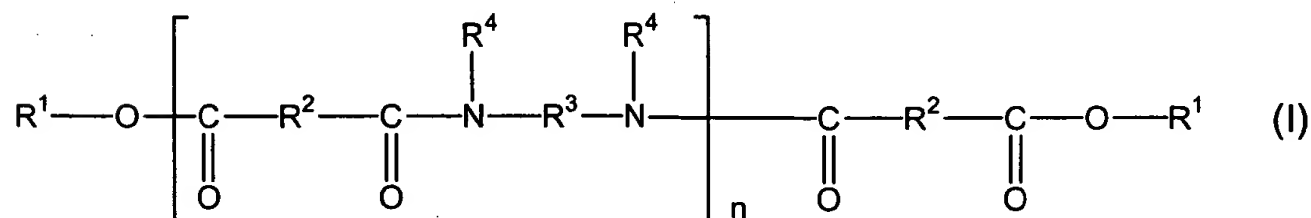
(ii) at least one oil-soluble cationic surfactant.

335. (Previously presented) A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

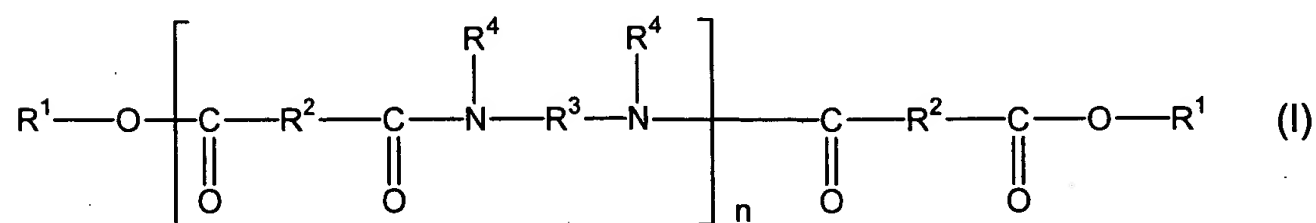
(ii) at least one oil-soluble cationic surfactant.

336. (Canceled)

337. (Original) A method for providing at least one of resistance to shear and stability to a cosmetic composition, comprising including in said cosmetic composition a cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from

10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

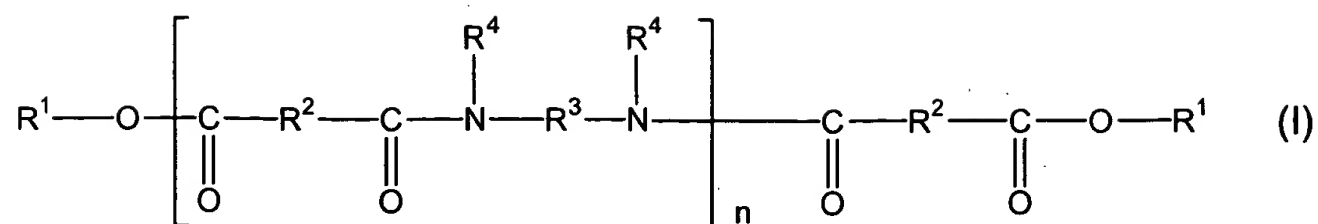
- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

(ii) at least one oil-soluble cationic surfactant,

and further wherein said at least one structuring polymer and said at least one oil-soluble cationic surfactant are present in a combined amount effective to provide at least one property chosen from resistance to shear and stability.

338. (Previously presented) A make up, care, or treatment composition for the skin or lips comprising a structured composition comprising

- (i) at least one liquid fatty phase in said make up, care, or treatment composition structured with at least one structuring polymer chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;
- $R^1$ , which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and
- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen, and

(ii) at least one oil-soluble cationic surfactant.

339. - 347. (Canceled)

348. (Previously presented) The mascara, eyeliner, foundation, lipstick, blusher, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product, nail composition, shampoo, conditioner, anti-sun product or care product for the skin, lips, or hair according to claim 321, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

349. (Previously presented) The make-up and/or care and/or treatment composition according to claim 325, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

350. (Previously presented) The treatment, care or make-up composition according to claim 330, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

351. (Previously presented) The method for care, make up, or treatment according to claim 334, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

352. (Previously presented) The method for making a cosmetic composition according to claim 335, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

353. (Previously presented) The method for providing at least one of resistance to shear and stability to a cosmetic composition according to claim 337, wherein the at



least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

354. (Previously presented) The make up, care, or treatment composition according to claim 338, wherein the at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

355. (Previously presented) The mascara, eyeliner, foundation, lipstick, blusher, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product, nail composition, shampoo, conditioner, anti-sun product or care product for the skin, lips, or hair according to claim 321, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

356. (Previously presented) The make-up and/or care and/or treatment composition according to claim 325, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

357. (Previously presented) The treatment, care or make-up composition according to claim 330, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

358. (Previously presented) The method for care, make up, or treatment according to claim 334, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

359. (Previously presented) The method for making a cosmetic composition according to claim 335, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

360. (Previously presented) The method for providing at least one of resistance to shear and stability to a cosmetic composition according to claim 337, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

362. (Previously presented) The make up, care, or treatment composition according to claim 338, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

363. (Previously presented) The mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, an eyeshadow, a face powder, a concealer product, a nail composition, a shampoo, a conditioner, an anti-sun product or a care product for the skin, lips, or hair according to claim 321, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

364. (Previously presented) The make-up and/or care and/or treatment composition according to claim 325, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

365. (Previously presented) The treatment, care or make-up composition according to claim 330, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

366. (Previously presented) The method for care, make up, or treatment according to claim 334, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

367. (Previously presented) The method for making a cosmetic composition according to claim 335, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

368. (Previously presented) The method for providing at least one of resistance to shear and stability to a cosmetic composition according to claim 337, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

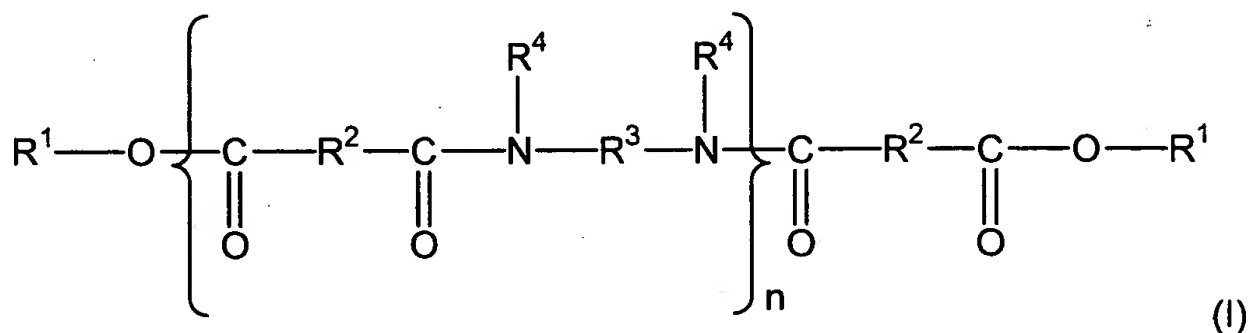
369. (Previously presented) The make up, care, or treatment composition according to claim 338, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.



PENDING CLAIMS  
Application No. 09/618,066  
Attorney Docket No. 05725.0656-00000  
Filed: July 17, 2000

1-156. (Cancelled)

157. (Previously presented) A process for non-migrating deposit of a lipstick composition comprising including in said lipstick composition at least one liquid continuous fatty phase, said at least one liquid continuous fatty phase being structured with a sufficient amount of an agent for non-migrating deposit of said lipstick composition, said agent comprising at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and
- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

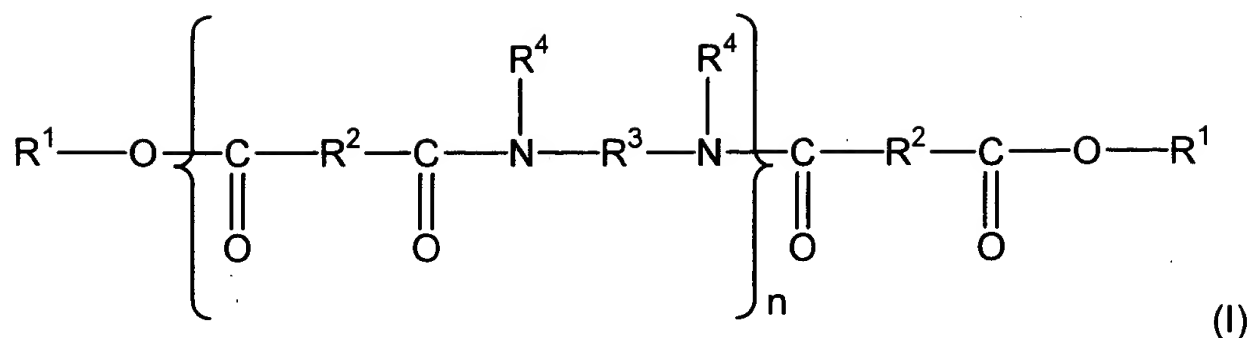
wherein said lipstick composition further comprises at least one dyestuff chosen from pigments and nacles.

158. (Previously presented) A process according to Claim 157, wherein said lipstick composition has a hardness ranging from 20 g to 2000 g.

159. (Original) A process according to Claim 158, wherein said hardness ranges from 20 g to 900 g.

160. (Original) A process according to Claim 159, wherein said hardness ranges from 20 g to 600 g.

161. (Previously presented) A process for non-migrating deposit of a lipstick composition comprising at least one continuous liquid fatty phase comprising structuring said fatty phase with a sufficient amount of at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

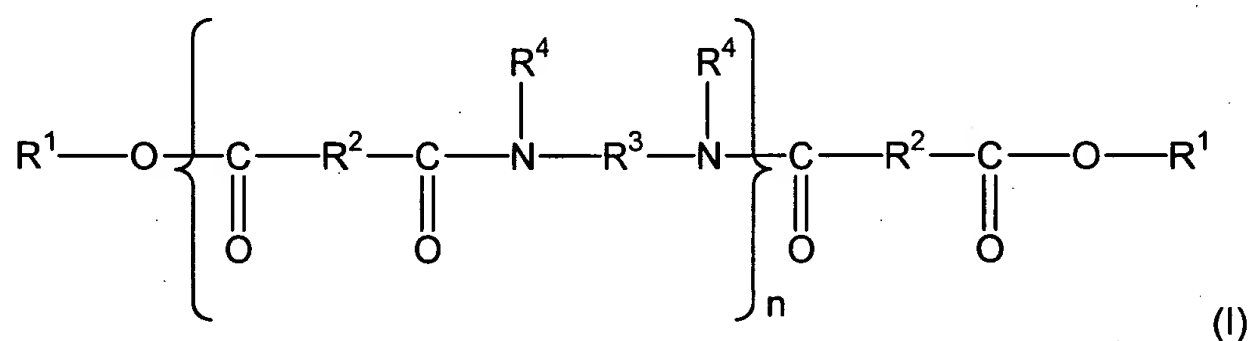
- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen; and

wherein said lipstick composition further comprises at least one dyestuff chosen from pigments and nacres.

162-167. (Cancelled)

168. (Previously presented) A process for non-migrating deposit of a foundation composition comprising including in said foundation composition at least one liquid continuous fatty phase, said at least one liquid continuous fatty phase being structured with a sufficient amount of an agent for non-migrating deposit of said foundation composition, said agent comprising at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

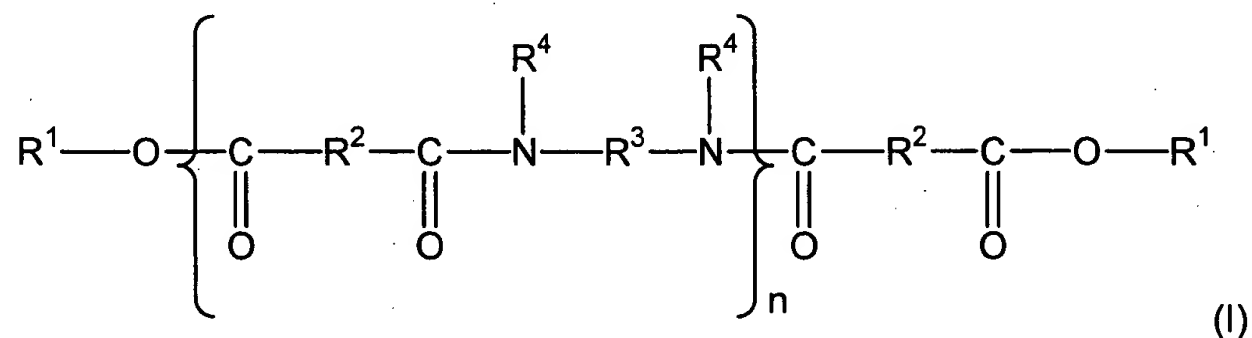
wherein said foundation composition further comprises at least one dyestuff chosen from pigments and nacles.

169. (Previously presented) A process according to Claim 168, wherein said foundation composition has a hardness ranging from 20 g to 2000 g.

170. (Previously presented) A process according to Claim 169, wherein said hardness ranges from 20 g to 900 g.

171. (Previously presented) A process according to Claim 170, wherein said hardness ranges from 20 g to 600 g.

172. (Previously presented) A process for non-migrating deposit of a foundation composition comprising at least one continuous liquid fatty phase comprising structuring said fatty phase with a sufficient amount of at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below:



in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges



from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

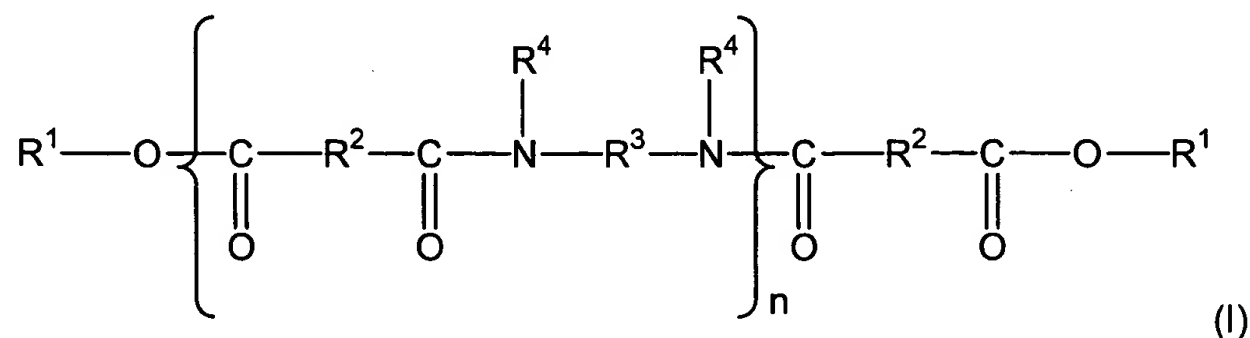
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

wherein said foundation composition further comprises at least one dyestuff chosen from pigments and nacles.

173. (Previously presented) A process for non-migrating deposit of a composition for making up at least one keratinous material comprising at least one continuous liquid fatty phase comprising structuring said fatty phase with a sufficient amount of at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below:



in which:

- $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

wherein said composition for making up at least one keratinous material further comprises at least one dyestuff chosen from pigments and nacles.

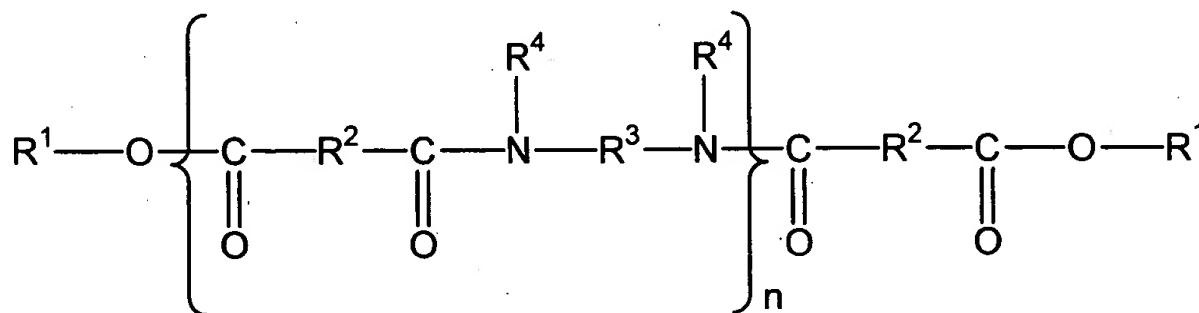
174. (Previously presented) A process according to claim 173, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.



Pending Claims  
Application No. 09/685,577  
Attorney Docket No.: 05725.0656-01000  
Filed: October 11, 2000

1. (Previously presented) A structured cosmetic composition comprising:  
at least one continuous liquid fatty phase,

wherein said at least one continuous liquid fatty phase is structured with a sufficient amount of at least one polymer of formula (I) and mixtures thereof:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms;

wherein said structured composition is in the form of a non-migrating, wax-free solid, and

wherein said at least one continuous liquid fatty phase and said at least one polymer form a physiologically acceptable medium.

2 - 46. (Canceled)

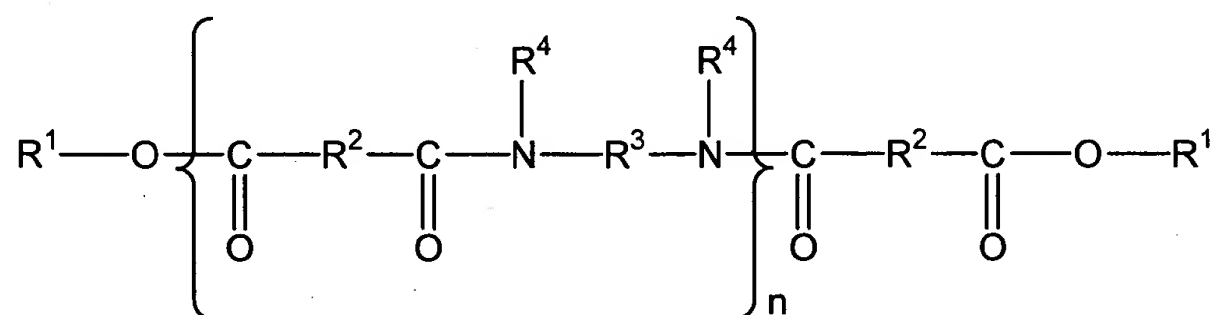
47. (Original) A composition according to Claim 1, further comprising at least one amphiphilic compound chosen from amphiphilic compounds which are liquid at room temperature and have an HLB value of less than 12.

48. (Original) A composition according to Claim 47, wherein said HLB value ranges from 1 to 7.

49. (Original) A composition according to Claim 47, wherein said HLB value ranges from 1 to 5.

50 - 149. (Canceled)

150. (Previously presented) A process of structuring a cosmetic composition in the form of a physiologically acceptable composition, which is wax-free and non-migrating comprising including in said composition at least one liquid continuous fatty phase, said at least one liquid continuous fatty phase being structured with a sufficient amount of at least one polymer of formula (I) and mixtures thereof:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms

and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms;  
and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms; and

wherein said composition is wax-free and non-migrating.

151 - 153. (Canceled)

154. (Original) A process according to Claim 150, wherein said at least one structuring polymer is combined with at least one amphiphilic compound that is liquid at room temperature, with an HLB value of less than 12.

155. (Original) A process according to Claim 154, wherein said HLB ranges from 1 to 7.

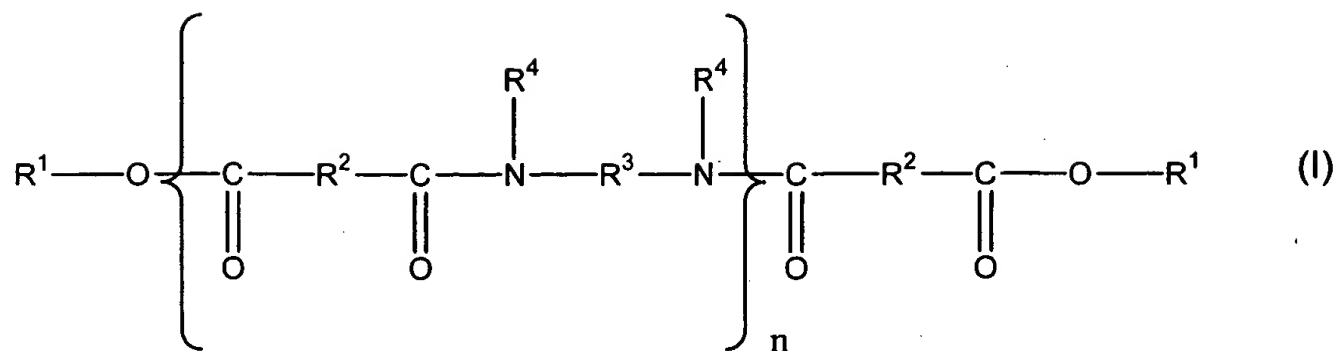
156. (Original) A process according to Claim 155, wherein said HLB ranges from 1 to 5.

157 - 188. (Canceled)



ISSUED CLAIMS  
U.S. Patent No. 6,402,408  
Attorney Docket No. 05725.0659-00000  
Application filed: July 17, 2000

1. A structured composition comprising:
  - (a) at least one liquid fatty phase comprising:
    - (i) at least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to the skeleton via at least one ester group; and
    - (ii) at least one amphiphilic compound which is liquid at room temperature and which has an HLB value of less than 8.
2. A composition according to Claim 1, wherein said at least one ester group is present in a proportion ranging from 10% to 50% of the total number of all said ester groups and all said amide groups of the at least one structuring polymer.
3. A composition according to Claim 1, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 10,000.
4. A composition according to Claim 3, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 8000.
5. A composition according to Claim 1, wherein said at least one structuring polymer is chosen from at least one polymer of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.



6. A composition according to Claim 2, wherein said at least one ester group is present in a proportion ranging from 20% to 35% of the total number of all said ester groups and all said amide groups of the at least one structuring polymer.
7. A composition according to Claim 5, wherein said  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.
8. A composition according to Claim 7, wherein said  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.
9. A composition according to Claim 5, wherein said  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon-based groups.
10. A composition according to Claim 5, wherein said  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.
11. A composition according to Claim 1, wherein said at least one amphiphilic compound comprises at least one lipophilic part bonded to at least one polar part.
12. A composition according to Claim 11, wherein said at least one lipophilic part comprises a carbon-based chain comprising at least 8 carbon atoms.
13. A composition according to Claim 12, wherein said at least one lipophilic part comprises from 16 to 32 carbon atoms.
14. A composition according to Claim 13, where said at least one lipophilic part comprises from 18 to 28 carbon atoms.
15. A composition according to Claim 11, wherein said at least one polar part is

chosen from compounds derived from alcohols comprising from 1 to 12 hydroxyl groups, polyol groups comprising from 2 to 12 hydroxyl groups, and polyoxyalkylene groups comprising at least 2 oxyalkylene units.

16. A composition according to Claim 15, wherein said polyoxyalkylene groups are chosen from polyoxyalkylene groups which comprise from 0 to 20 oxypropylene units and from 0 to 20 oxyethylene units.

17. A composition according to Claim 1, wherein said at least one amphiphilic compound is chosen from esters.

18. A composition according to Claim 17, wherein said esters are chosen from hydroxystearates of glycerol, oleates of glycerol, isostearates of glycerol, hydroxystearates of sorbitan, oleates of sorbitan, isostearates of sorbitan, hydroxystearates of methylglucose, oleates of methylglucose, isostearates of methylglucose, hydroxystearates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols, oleates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols and isostearates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols.

19. A composition according to Claim 18, wherein said branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols are chosen from octyldodecanols.

20. A composition according to Claim 17, wherein said esters are chosen from monoesters and diesters.

21. A composition according to Claim 1, wherein said at least one amphiphilic compound is present in a concentration ranging from 0.1% to 35% by weight of the total weight of said composition.

22. A composition according to Claim 21, wherein said at least one amphiphilic compound is present in a concentration ranging from 2% to 15% by weight of the total weight of said composition.

23. A composition according to Claim 1, wherein said at least one structuring polymer is present in a concentration ranging from 0.5% to 80% by weight of the total weight of said composition.

24. A composition according to Claim 23, wherein said at least one structuring polymer is present in a concentration ranging from 5% to 40% by weight of the total weight of said composition.

25. A composition according to Claim 1, wherein said at least one liquid fatty phase comprises greater than 40% by weight of the total weight of said at least one liquid fatty phase of at least one apolar oil.

26. A composition according to Claim 25, wherein said at least one liquid fatty phase comprises greater than 50% by weight of the total weight of said at least one liquid fatty phase of at least one apolar oil.

27. A composition according to Claim 1, wherein said at least one liquid fatty phase comprises at least one oil.

28. A composition according to Claim 27, wherein said at least one oil is chosen hydrocarbon-based oils of mineral origin and hydrocarbon-based oils of synthetic origin.

29. A composition according to Claim 1, wherein said at least one liquid fatty phase comprises at least one apolar oil.

30. A composition according to Claim 29, wherein said at least one apolar oil is chosen from parleam oil, isoparaffins and squalane.

31. A composition according to Claim 1, wherein said at least one liquid fatty phase is present in a concentration ranging from 5% to 99% by weight of the total weight of said composition.

32. A composition according to Claim 31, wherein said at least one liquid fatty phase is present in a concentration ranging from 20% to 75% by weight of the total weight of said composition.

33. A composition used to care for at least one keratin material, a composition for treating at least one keratin material, or a make-up composition for at least one keratin material comprising:

(a) at least one liquid fatty phase comprising:

(i) at least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to the skeleton via at least one ester group; and

(ii) at least one amphiphilic compound which is liquid at room temperature and which has an HLB value of less than 8.

34. A composition according to Claim 1, further comprising at least one dyestuff.

35. A composition according to Claim 34, wherein said at least one dyestuff is chosen from lipophilic dyes, hydrophilic dyes, pigments and nacles.

36. A composition according to Claim 34, wherein said at least one dyestuff is present in a concentration ranging from 0.01% to 40% by weight relative to the total weight of said composition.

37. A composition according to Claim 36, wherein said at least one dyestuff is present in a concentration ranging from 5% to 25% by weight relative to the total weight of said composition.

38. A composition according to Claim 1, further comprising at least one suitable additive chosen from water optionally thickened or gelled with an aqueous-phase thickener or gelling agent, antioxidants, essential oils, preserving agents, fragrances, neutralizing agents, liposoluble polymers, cosmetically active agents, dermatologically active agents and waxes.

39. A composition according to Claim 1, wherein said composition is in a form chosen from a paste, a solid, a cream, an oil-in-water emulsion, a water-in-oil emulsion and an anhydrous gel, optionally translucent or transparent.

40. A mascara product, an eyeliner product, a foundation product, a lipstick product, a deodorant product, a make-up product for the body, a make-up-removing product, an eyeshadow product, a face powder product, a concealer product, a treating shampoo product, a hair conditioning product, an antisen product or a care product for the face or the body comprising:

(a) at least one liquid fatty phase comprising:

(i) at least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains

comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to the skeleton via at least one ester group; and

(ii) at least one amphiphilic compound which is liquid at room temperature and which has an HLB value of less than 8.

41. A composition according to Claim 1, further comprising at least one pigment.

42. A composition according to Claim 1, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 7.

43. A composition according to Claim 42, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 5.

44. A composition according to Claim 43, wherein said at least one amphiphilic compound has an HLB value ranging from 3 to 5.

45. A structured composition comprising a cosmetically acceptable medium and further comprising:

(a) at least one liquid fatty phase comprising at least one structuring polymer which comprises a polyamide skeleton comprising at least one end group with at least one chain chosen from alkyl chains comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to said skeleton via an ester group; and

(b) at least one amphiphilic compound which is liquid at room temperature, with an HLB value of less than 8.

46. A composition according to Claim 45, wherein said composition is in cast form.

47. A composition according to Claim 45, wherein said composition is in the form of a mascara product, an eyeliner product, a foundation product, a lipstick product, a deodorant product, a make-up product for the body, a make-up-removing product, an eyeshadow product, a face powder product, a concealer product, a treating shampoo product, a hair conditioning product, an antisen product or a care product for the face or the body.

48. A composition according to Claim 1, wherein said at least one structuring polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one diamine comprising at least 2 carbon atoms.

49. A composition according to Claim 48, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms.

50. A composition according to Claim 48, wherein said at least one diamine comprises from 2 to 36 carbon atoms.

51. A composition according to Claim 48, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

52. A composition according to Claim 48, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

53. A composition according to Claim 48, wherein said at least one diamine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

54. A composition according to Claim 48, wherein said at least one structuring polymer is chosen from polymers comprising one or two terminal carboxylic acid groups.

55. A composition according to Claim 54, wherein said terminal carboxylic acid groups are esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

56. A composition according to Claim 55, wherein said at least one alcohol is chosen from monoalcohols comprising from 10 to 36 carbon atoms

57. A composition according to Claim 56, wherein said at least one alcohol is chosen from monoalcohols comprising from 12 to 24 carbon atoms.

58. A composition according to Claim 57, wherein said at least one alcohol is chosen from monoalcohols comprising from 16 to 24 carbon atoms.

59. A composition according to Claim 1, wherein said at least one structuring polymer has a softening point of greater than 70°C.

60. A composition according to Claim 59, wherein said at least one structuring polymer has a softening point of 70°C to 190°C.

61. A composition according to Claim 60, wherein said at least one structuring polymer has a softening point of 80°C to 130°C.

62. A composition according to Claim 61, wherein said at least one structuring polymer has a softening point of 80°C to 105°C.



63. A composition according to Claim 5, wherein said n is an integer ranging from 1 to 5.

64. A composition according to Claim 5, wherein said n is equal to zero.

65. A composition according to Claim 1, wherein said composition has a hardness ranging from 20 g to 2000 g.

66. A composition according to Claim 65, wherein said composition has a hardness ranging from 20 g to 900 g.

67. A composition according to Claim 66, wherein said composition has a hardness ranging from 20 g to 600 g.

68. A cosmetic process for caring for, making up or treating a keratin material comprising the application to at least one keratinous material of a cosmetic composition comprising:

(a) at least one liquid fatty phase comprising:

(i) at least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to the skeleton via at least one ester group; and

(ii) at least one amphiphilic compound which is liquid at room temperature and which has an HLB value of less than 8.

69. A process of structuring a liquid fatty phase in the form of a self-supporting solid comprising including in said at least one liquid fatty phase a sufficient amount of (i) at

least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains comprising at least 4 carbon atoms and alkenyl chains comprising at least 4 carbon atoms, bonded to said polyamide skeleton via at least one ester group, and (ii) at least one amphiphilic compound which is liquid at room temperature having an HLB value of less than 8; and wherein said self-supporting solid is obtained.

70. A process according to Claim 69, wherein said self-supporting solid has a hardness ranging from 20 g to 2000 g.

71. A process according to Claim 70, wherein said self-supporting solid has a hardness ranging from 20 g to 900 g.

72. A process according to Claim 71, wherein said self-supporting solid has a hardness ranging from 20 g to 600 g.

73. A process of structuring at least one liquid fatty phase in the form of a glossy and/or nonmigrating solid comprising combining with said at least one liquid fatty phase a sufficient amount of (i) at least one structuring polymer comprising a polyamide skeleton which comprises at least one end group with at least one chain chosen from alkyl chains comprising at least four carbon atoms and alkenyl chains comprising at least four carbon atoms, bonded to said polyamide skeleton via at least one ester group, and (ii) at least one amphiphilic compound which is liquid at room temperature having an HLB value of less than 8;

wherein said glossy and/or nonmigrating solid is obtained.

74. A process of structuring a cosmetic composition in the form of a physiologically acceptable composition which is glossy and/or nonmigrating comprising including in said composition at least one liquid fatty phase, said at least one liquid fatty phase being structured with at least one structuring polymer which comprises a polyamide skeleton comprising at least one end group with at least one chain chosen from alkyl chains comprising from 4 to 22 carbon atoms and alkenyl chains comprising from 4 to 22 carbon atoms, bonded to said polyamide skeleton via at least one ester group and (ii) at least one amphiphilic compound having an HLB value of less than 8;

wherein said glossy and/or nonmigrating cosmetic composition is obtained.

75. A process of making a cosmetic composition in the form of a physiologically acceptable composition which is glossy and/or nonmigrating comprising including in said composition at least one liquid fatty phase, said at least one liquid fatty phase being structured with at least one structuring polymer which comprises a polyamide skeleton comprising at least one end group with at least one chain chosen from alkyl chains comprising from 4 to 22 carbon atoms and alkenyl chains comprising from 4 to 22 carbon atoms, bonded to said polyamide skeleton via at least one ester group and (ii) at least one amphiphilic compound having an HLB value of less than 8;

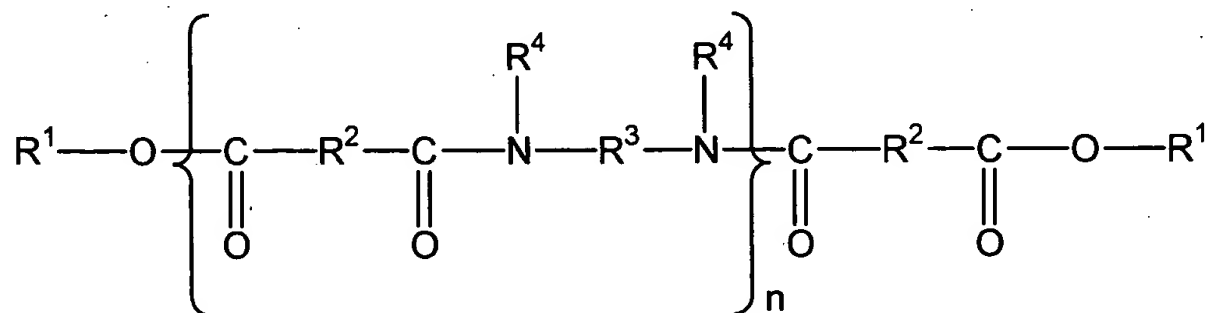
wherein said glossy and/or nonmigrating cosmetic composition is obtained.



Pending Claims  
Application No. 09/685,578  
Attorney Docket No. 05725.0659-01000  
Filed: October 11, 2000

1. (Currently amended) A structured mascara\_composition comprising at least one liquid fatty phase,

wherein said at least one liquid fatty phase is structured with a sufficient amount of at least one structuring polymer, wherein said at least one structuring polymer is chosen from polymers of formula (I) below and mixtures thereof:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms; and

wherein said at least one structuring polymer is combined with at least one amphiphilic compound which has an HLB value of less than 8, and with at least one dyestuff.

2 - 11. (Canceled)

12. (Original) A composition according to Claim 1, wherein said at least one amphiphilic compound comprises at least one lipophilic part bonded to at least one polar part.

13. (Original) A composition according to Claim 12, wherein said at least one lipophilic part comprises a carbon-based chain comprising at least 8 carbon atoms.

14. (Original) A composition according to Claim 13, wherein said at least one lipophilic part comprises from 16 to 32 carbon atoms.

15. (Original) A composition according to Claim 14, where said at least one lipophilic part comprises from 18 to 28 carbon atoms.

16. (Original) A composition according to Claim 12, wherein said at least one polar part is chosen from compounds derived from alcohols comprising from 1 to 12 hydroxyl groups, polyol groups comprising from 2 to 12 hydroxyl groups, and polyoxyalkylene groups comprising at least 2 oxyalkylene units.

17. (Original) A composition according to Claim 16, wherein said polyoxyalkylene groups are chosen from polyoxyalkylene groups which comprise from 0 to 20 oxypropylene units and from 0 to 20 oxyethylene units.

18. (Original) A composition according to Claim 1, wherein said at least one amphiphilic compound is chosen from esters.

19. (Original) A composition according to Claim 18, wherein said esters are chosen from hydroxystearates of glycerol, oleates of glycerol, isostearates of glycerol, hydroxystearates of sorbitan, oleates of sorbitan, isostearates of sorbitan, hydroxystearates of methylglucose, oleates of methylglucose, isostearates of methylglucose, hydroxystearates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols, oleates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols and isostearates of branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols.

20. (Original) A composition according to Claim 19, wherein said branched C<sub>12</sub> to C<sub>26</sub> fatty alcohols are chosen from octyldodecanols.

21. (Original) A composition according to Claim 18, wherein said esters are chosen from monoesters and diesters.

22. (Original) A composition according to Claim 1, wherein said at least one amphiphilic compound is present in a concentration ranging from 0.1% to 35% by weight of the total weight of said composition.

23. (Original) A composition according to Claim 22, wherein said at least one amphiphilic compound is present in a concentration ranging from 2% to 15% by weight of the total weight of said composition.

24. (Original) A composition according to Claim 1, wherein said at least one structuring polymer is present in a concentration ranging from 0.5% to 80% by weight of the total weight of said composition.

25. (Original) A composition according to Claim 24, wherein said at least one structuring polymer is present in a concentration ranging from 5% to 40% by weight of the total weight of said composition.

26. (Original) A composition according to Claim 1, wherein said at least one liquid fatty phase comprises greater than 40% by weight of the total weight of said at least one liquid fatty phase of at least one apolar oil.

27. (Original) A composition according to Claim 26, wherein said at least one liquid fatty phase comprises greater than 50% by weight of the total weight of said at least one liquid fatty phase of at least one apolar oil.

28. (Original) A composition according to Claim 1, wherein said at least one liquid fatty phase comprises at least one oil.

29. (Original) A composition according to Claim 28, wherein said at least one oil is chosen hydrocarbon-based oils of mineral origin and hydrocarbon-based oils of synthetic origin.

30. (Original) A composition according to Claim 1, wherein said at least one liquid fatty phase comprises at least one apolar oil.

31. (Original) A composition according to Claim 30, wherein said at least one apolar oil is chosen from parlean oil, isoparaffins and squalane.

32. (Original) A composition according to Claim 1, wherein said at least one liquid fatty phase is present in a concentration ranging from 5% to 99% by weight of the total weight of said composition.

33. (Original) A composition according to Claim 32, wherein said at least one liquid fatty phase is present in a concentration ranging from 20% to 75% by weight of the total weight of said composition.

34. (Canceled)

35. (Canceled)

36. (Previously presented) A composition according to Claim 1, wherein said at least one dyestuff is chosen from lipophilic dyes, hydrophilic dyes, pigments and nacres.

37. (Currently amended) A composition according to Claim 35 1, wherein said at least one dyestuff is present in a concentration ranging from 0.01% to 40% by weight relative to the total weight of said composition.

38. (Original) A composition according to Claim 37, wherein said at least one dyestuff is present in a concentration ranging from 5% to 25% by weight relative to the total weight of said composition.

39 - 41. (Canceled)

42. (Original) A composition according to Claim 1, further comprising at least one suitable additive chosen from water optionally thickened or gelled with an aqueous-phase thickener or gelling agent, antioxidants, essential oils, preserving agents, fragrances, neutralizing agents, liposoluble polymers, cosmetically active agents, dermatologically active agents and waxes.



43. (Original) A composition according to Claim 1, wherein said composition is in a form chosen from a paste, a solid, a cream, an oil-in-water emulsion, a water-in-oil emulsion and an anhydrous gel, optionally translucent or transparent.

44 - 48. (Canceled)

49. (Original) A composition according to Claim 1, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 7.

50. (Original) A composition according to Claim 49, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 5.

51. (Original) A composition according to Claim 50, wherein said at least one amphiphilic compound has an HLB value ranging from 3 to 5.

52 - 74. (Canceled)

75. (Original) A composition according to Claim 1, wherein said composition has a hardness ranging from 20 g to 2000 g.

76. (Original) A composition according to Claim 75, wherein said composition has a hardness ranging from 20 g to 900 g.

77. (Original) A composition according to Claim 76, wherein said composition has a hardness ranging from 20 g to 600 g.

78 - 102. (Canceled)

103. (Previously presented) A composition according to Claim 1, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.



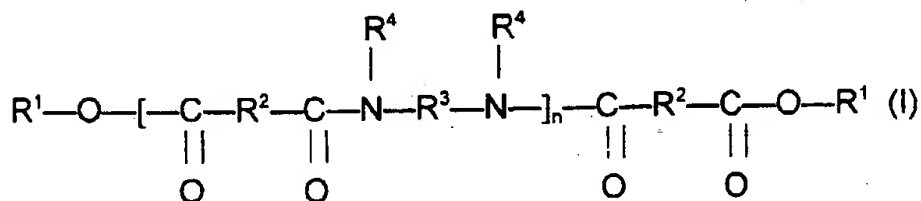
PENDING CLAIMS  
Application No. 10/182,830  
Attorney Docket No. 05725.0795-01000  
Filed: August 2, 2002

Claims 1-103. (Canceled)

104. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from polymers of following formula

(I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

105-106. (Canceled).

107. (Previously presented) The method of making a mascara composition according to claim 104, further comprising including at least one neutralizing agent.

108. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

- (i) at least one solid substance that has a melting point of about  $45^{\circ}\text{C}$  or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

109. (Canceled).

110. (Canceled).

111. (Previously presented) The method of making a mascara composition according to claim 108, further comprising including at least one neutralizing agent.

112. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

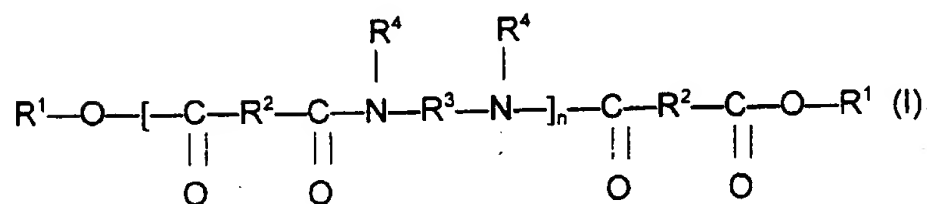
- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer dilinoleate copolymer;
- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

113. (Previously presented) The method of making a mascara composition according to claim 112, further comprising including at least one neutralizing agent.

114. (Previously presented) A method of making a mascara composition comprising mixing:

- (ii) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from polymers of following formula

(I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

115. (Previously presented) The method of making a mascara composition according to claim 114, further comprising mixing at least one neutralizing agent.

116. (Previously presented) A method of making a mascara composition comprising mixing:

- (ii) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iv) water;
- (v) at least one coloring agent; and

- (vi) at least one preservative.

117. (Previously presented) The method of making a mascara composition according to claim 116, further comprising mixing at least one neutralizing agent.

118. (Previously presented) A method of making a mascara composition comprising mixing:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer dilinoleate copolymer;
- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

119. (Previously presented) The method of making a mascara composition according to claim 118, further comprising mixing at least one neutralizing agent.

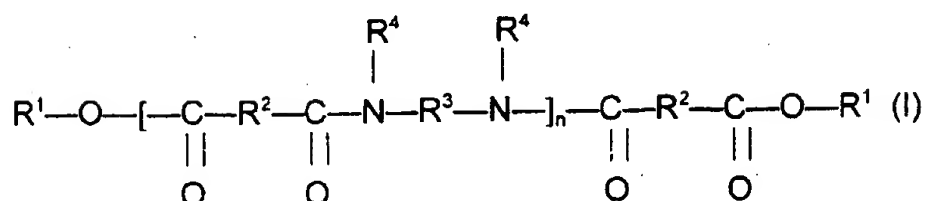
120. (Previously presented) A method of making a mascara composition comprising mixing:

- (iii) at least one solid substance that has a melting point of about 45°C or greater;

(ii) isododecane;

(iii) at least one structuring polymer chosen from polymers of following formula

(I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

(iv) water; and

(v) at least one preservative.



121. (Previously presented) The method of making a mascara composition according to claim 120, further comprising mixing at least one neutralizing agent.

122. (Previously presented) A method of making a mascara composition comprising mixing:

- (iii) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iv) water; and
- (v) at least one preservative.

123. (Previously presented) The method of making a mascara composition according to claim 122, further comprising mixing at least one neutralizing agent.

124. (Previously presented) A method of making a mascara composition comprising mixing:

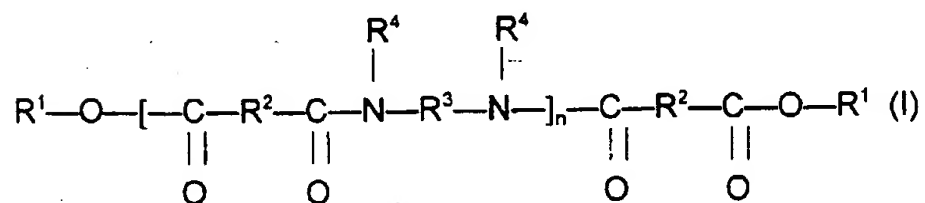
- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;

- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer dilinoleate copolymer;
- (iv) water; and
- (v) at least one preservative.

125. (Previously presented) The method of making a mascara composition according to claim 124, further comprising mixing at least one neutralizing agent.

126. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

- (iv) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from polymers of following formula (I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from

10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

(iv) water; and

(v) at least one preservative.

127. (Previously presented) The method of making a mascara composition according to claim 126, further comprising including at least one neutralizing agent.

128. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

(iv) at least one solid substance that has a melting point of about 45°C or greater;

(ii) isododecane;

- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iv) water; and
- (v) at least one preservative.

129. (Previously presented) The method of making a mascara composition according to claim 128, further comprising including at least one neutralizing agent.

130. (Previously presented) A method of making a mascara composition comprising including in said mascara composition:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) isododecane;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer dilinoleate copolymer;
- (iv) water; and
- (v) at least one preservative.

131. (Previously presented) The method of making a mascara composition according to claim 130, further comprising including at least one neutralizing agent.

132. (Previously presented) A mascara product comprising:

- (i) a packaging article;

(ii) a mascara composition comprising:

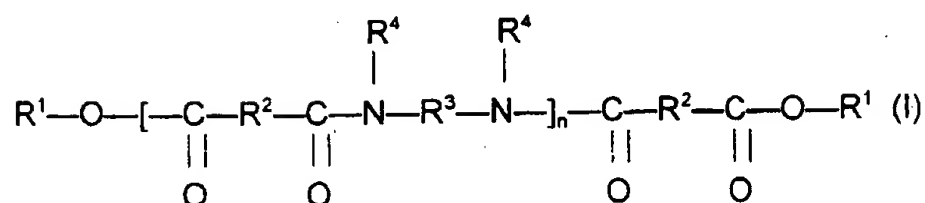
(a) at least one solid substance that has a melting point of about 45°C

or greater;

(b) isododecane;

(c) at least one structuring polymer chosen from polymers of following

formula (I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

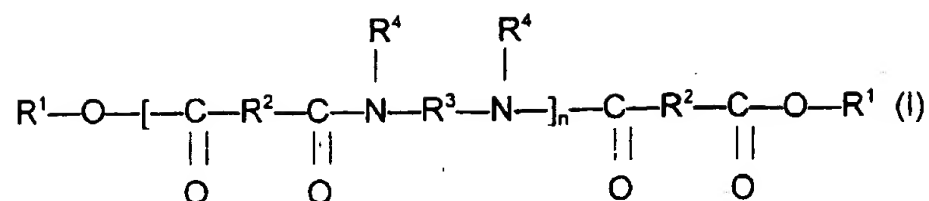
- (d) water;
  - (e) at least one coloring agent; and
  - (f) at least one preservative; and
- (iii) an apparatus for applying said mascara to eyelashes.

133. (Previously presented) A mascara product according to claim 132, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

134. (Previously presented) A mascara product according to claim 132, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

135. (Previously presented) A mascara product comprising:

- (i) a packaging article;
- (ii) a mascara composition comprising:
  - (a) at least one solid substance that has a melting point of about 45°C or greater;
  - (b) isododecane;
  - (c) at least one structuring polymer chosen from polymers of following formula (I):



in which n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

(d) water; and

(e) at least one preservative; and

(iii) an apparatus for applying said mascara to eyelashes.

136. (Previously presented) A mascara product according to claim 135, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

137. (Previously presented) A mascara product according to claim 135, wherein said at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.





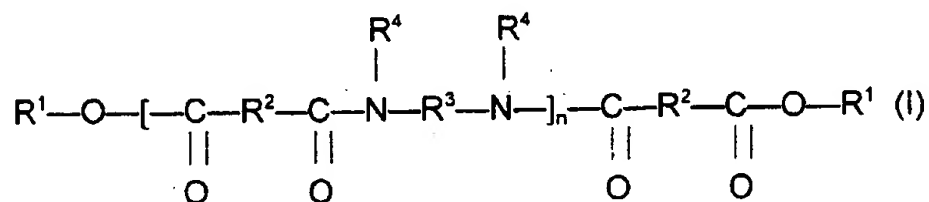
PENDING CLAIMS  
Application No. 10/787,441  
Attorney Docket No. 05725.0795-02000  
Filed: February 27, 2004

1-103 (Canceled).

104. A method of making a mascara comprising including in said mascara:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) at least one fatty phase structured by at least one polymer;
- (iii) at least one structuring polymer chosen from polymers of following formula

(I):



in which n denotes a number of amide units, such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, in each case, independently an alkyl or alkenyl group having at least 4 carbon atoms; R<sup>2</sup> independently represents, in each case, a C<sub>4</sub> to C<sub>42</sub> hydrocarbonaceous group, provided that 50% of the R<sup>2</sup> groups represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbonaceous group; R<sup>3</sup> independently represents, in each case, an organic group provided with at least 2 carbon atoms, with hydrogen atoms and optionally with one or more oxygen or nitrogen atoms; and R<sup>4</sup> independently represents, in each case, a hydrogen atom, a C<sub>1</sub> to C<sub>10</sub>

$R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with at least 50% of the  $R^4$  groups representing a hydrogen atom;

- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

105. The method of making a mascara according to claim 104, wherein the at least one fatty phase comprises at least one volatile oil.

106. The method of making a mascara according to claim 105, wherein said at least one volatile oil is chosen from isododecane.

107. The method of making a mascara according to claim 104, further comprising including at least one neutralizing agent.

108. A method of making a mascara comprising including in said mascara:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) at least one fatty phase structured by at least one polymer;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iv) water;
- (v) at least one coloring agent; and

(vi) at least one preservative.

109. The method of making a mascara according to claim 108, wherein the at least one fatty phase comprises at least one volatile oil.

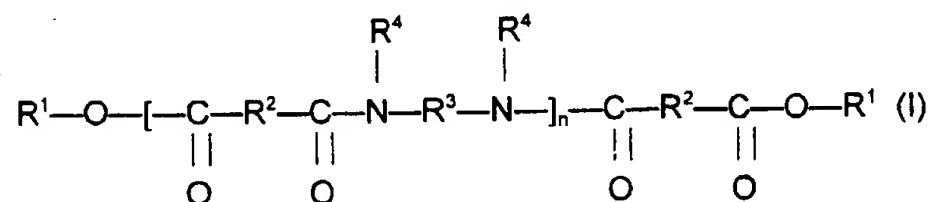
110. The method of making a mascara according to claim 109, wherein said at least one volatile oil is chosen from isododecane.

111. The method of making a mascara according to claim 108, further comprising including at least one neutralizing agent.

112. A method of making a mascara comprising mixing:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) at least one fatty phase structured by at least one polymer;
- (iii) at least one structuring polymer chosen from polymers of following formula

(I):



in which  $n$  denotes a number of amide units, such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups;  $R^1$  is, in each case, independently an alkyl or alkenyl group having at least 4 carbon atoms;  $R^2$  independently represents, in each case, a  $C_4$  to  $C_{42}$  hydrocarbonaceous group, provided that 50% of the  $R^2$  groups represent a  $C_{30}$  to  $C_{42}$  hydrocarbonaceous group;  $R^3$  independently represents, in each case, an organic group provided with at least 2 carbon atoms, with hydrogen atoms and optionally with one or more oxygen or nitrogen atoms; and  $R^4$  independently represents, in each case, a hydrogen atom, a  $C_1$  to  $C_{10}$  alkyl group or a direct bond to  $R^3$  or another  $R^4$ , so that the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with at least 50% of the  $R^4$  groups representing a hydrogen atom;

- (iv) water;
- (v) at least one coloring agent; and
- (vi) at least one preservative.

113. The method of making a mascara according to claim 112, wherein the at least one fatty phase comprises at least one volatile oil.

114. The method of making a mascara according to claim 113, wherein said at least one volatile oil is chosen from isododecane.

115. The method of making a mascara according to claim 112 further comprising including at least one neutralizing agent.

116. A method of making a mascara comprising mixing:

- (i) at least one solid substance that has a melting point of about 45°C or greater;
- (ii) at least one fatty phase structured by at least one polymer;
- (iii) at least one structuring polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (ii) at least one preservative.

117. The method of making a mascara according to claim 116, wherein the at least one fatty phase comprises at least one volatile oil.

118. The method of making a mascara according to claim 117, wherein said at least one volatile oil is chosen from isododecane.

119. The method of making a mascara according to claim 116, further comprising including at least one neutralizing agent.

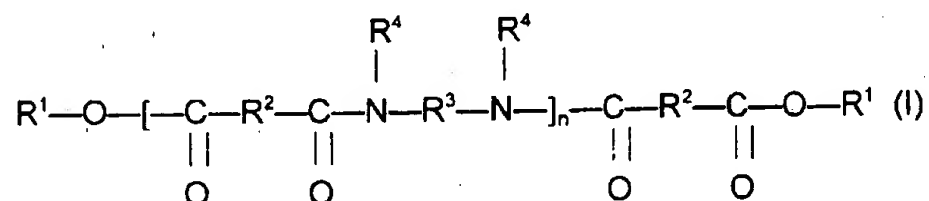


PENDING CLAIMS  
Application No. 09/733,896  
Attorney Docket No. 05725.0806-00000  
Filed: December 12, 2000

1 - 299. (Canceled).

300. (Previously presented) A method of making up lips comprising applying to said lips a lipstick composition comprising

- (i) at least one liquid fatty phase;
- (ii) at least one polymer chosen from polymers of formula (I):



in which n denotes a number of amide units, such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, in each case, independently an alkyl or alkenyl group having at least 4 carbon atoms; R<sup>2</sup> independently represents, in each case, a C<sub>4</sub> to C<sub>42</sub> hydrocarbonaceous group, provided that 50% of the R<sup>2</sup> groups represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbonaceous group; R<sup>3</sup> independently represents, in each case, an organic group provided with at least 2 carbon atoms, with hydrogen atoms and optionally with one or more oxygen or nitrogen atoms; and R<sup>4</sup> independently represents, in each case, a hydrogen atom, a C<sub>1</sub> to C<sub>10</sub> alkyl group or a direct bond to R<sup>3</sup> or another R<sup>4</sup>, so that the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are

bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with at least 50% of the  $R^4$  groups representing a hydrogen atom;

(iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums; and

(iv) at least one coloring agent.

301. (Previously presented) The method of making up lips according to claim 300, wherein the alkyl cellulose is ethylcellulose.

302. (Previously presented) The method of making up lips according to claim 300, wherein the alkylated guar gums are chosen from  $C_1$ - $C_5$  alkyl galactomannans.

303. (Previously presented) The method of making up lips according to claim 300, wherein the alkylated guar gums are chosen from ethyl guar.

304. (Previously presented) The method of making up lips according to claim 300, wherein the at least one liquid fatty phase further comprises a silicone oil.

305. (Previously presented) The method of making up lips according to claim 300, wherein said lipstick composition further comprises at least one fatty alcohol.

306. (Previously presented) The method of making up lips according to claim 305, wherein the at least one fatty alcohol is chosen from  $C_8$  to  $C_{26}$  fatty alcohols.

307. (Previously presented) The method of making up lips according to claim 306, wherein the at least one fatty alcohol is chosen from C<sub>12</sub> to C<sub>22</sub> fatty alcohols.

308. (Previously presented) The method of making up lips according to claim 307, wherein the C<sub>12</sub> to C<sub>20</sub> fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol, and behenyl alcohol.

309. (Previously presented) A method of making up lips comprising applying to said lips a lipstick composition comprising

- (i) at least one liquid fatty phase;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums; and
- (iv) at least one coloring agent.

310. (Previously presented) The method of making up lips according to claim 309, wherein the alkyl cellulose is ethylcellulose.

311. (Previously presented) The method of making up lips according to claim 309, wherein the alkylated guar gums are chosen from C<sub>1</sub>-C<sub>5</sub> alkyl galactomannans.

312. (Previously presented) The method of making up lips according to claim 309, wherein the alkylated guar gums are chosen from ethyl guar.



313. (Previously presented) The method of making up lips according to claim 309, wherein the at least one liquid fatty phase further comprises a silicone oil.

314. (Previously presented) The method of making up lips according to claim 309, wherein said lipstick composition further comprises at least one fatty alcohol.

315. (Previously presented) The method of making up lips according to claim 314, wherein the at least one fatty alcohol is chosen from C<sub>8</sub> to C<sub>26</sub> fatty alcohols.

316. (Previously presented) The method of making up lips according to claim 315, wherein the at least one fatty alcohol is chosen from C<sub>12</sub> to C<sub>22</sub> fatty alcohols.

317. (Previously presented) The method of making up lips according to claim 316, wherein the C<sub>12</sub> to C<sub>20</sub> fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol, and behenyl alcohol.



PENDING CLAIMS  
Application No. 09/733,898  
Attorney Docket No. 05725.0808-00000  
Filed: December 12, 2000

1. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil.
2. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:
  - at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and
  - at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.
3. (Withdrawn) The composition according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.
4. (Withdrawn) The composition according to claim 3, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.
5. (Withdrawn) The composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

6. (Withdrawn) The composition according to claim 2, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

7. (Withdrawn) The composition according to claim 6, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

8. (Withdrawn) The composition according to claim 7, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

9. (Withdrawn) The composition according to claim 2, wherein said at least one terminal fatty chain is functionalized.

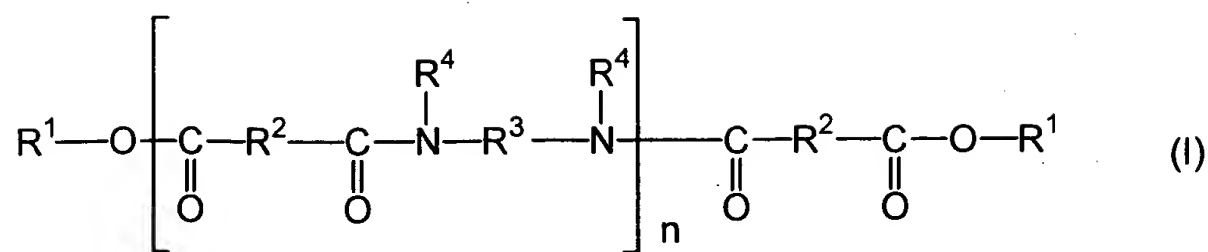
10. (Withdrawn) The composition according to claim 2, wherein said at least one pendant fatty chain is functionalized.

11. (Withdrawn) The composition according to claim 2, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

12. (Withdrawn) The composition according to claim 11, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

13. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.
14. (Withdrawn) The composition according to claim 13, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.
15. (Withdrawn) The composition according to claim 14, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.
16. (Withdrawn) The composition according to claim 15, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.
17. (Withdrawn) The composition according to claim 16, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.
18. (Withdrawn) The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.
19. (Withdrawn) The composition according to claim 18, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.
20. (Withdrawn) The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

21. (Withdrawn) The composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.
22. (Withdrawn) The composition according to claim 21, wherein said at least one hetero atom is a nitrogen atom.
23. (Withdrawn) The composition according to claim 21, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.
24. (Withdrawn) The composition according to claim 23, wherein said at least one hetero atom group further comprises a carbonyl group.
25. (Withdrawn) The composition according to claim 23, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.
26. (Withdrawn) The composition according to claim 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.
27. (Withdrawn) The composition according to claim 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.
28. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

29. (Withdrawn) The composition according to claim 28, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

30. (Withdrawn) The composition according to claim 29, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.

31. (Withdrawn) The composition according to claim 28, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

32. (Withdrawn) The composition according to claim 31, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

33. (Withdrawn) The composition according to claim 32, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

34. (Withdrawn) The composition according to claim 28, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

35. (Withdrawn) The composition according to claim 34, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

36. (Withdrawn) The composition according to claim 28, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

37. (Withdrawn) The composition according to claim 36, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

38. (Withdrawn) The composition according to claim 28, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

39. (Withdrawn) The composition according to claim 28, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

40. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than  $50^{\circ}\text{C}$ .

41. (Withdrawn) The composition according to claim 40, wherein said at least one structuring polymer has a softening point ranging from  $65^{\circ}\text{C}$  to  $190^{\circ}\text{C}$ .

42. (Withdrawn) The composition according to claim 41, wherein said at least one structuring polymer has a softening point ranging from  $70^{\circ}\text{C}$  to  $130^{\circ}\text{C}$ .

43. (Withdrawn) The composition according to claim 42, wherein said at least one structuring polymer has a softening point ranging from  $80^{\circ}\text{C}$  to  $105^{\circ}\text{C}$ .

44. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

45. (Withdrawn) The composition according to claim 44, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.



46. (Withdrawn) The composition according to claim 45, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

47. (Withdrawn) The composition according to claim 1, wherein said composition has a hardness ranging from 30 to 300 g.

48. (Withdrawn) The composition according to claim 47, wherein said composition has a hardness ranging from 30 to 250 g.

49. (Withdrawn) The composition according to claim 48, wherein said composition has a hardness ranging from 30 to 200 g.

50. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

51. (Withdrawn) The composition according to claim 50, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

52. (Withdrawn) The composition according to claim 51, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms,  $R_6$  is chosen from hydrocarbon-based chains comprising from 1 to 40 carbon atoms, and  $R_5 + R_6 \geq 10$ ;
- synthetic ethers containing from 10 to 40 carbon atoms;

- C<sub>8</sub> to C<sub>26</sub> fatty alcohols; and
- C<sub>8</sub> to C<sub>26</sub> fatty acids.

53. (Withdrawn) The composition according to claim 51, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

54. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

55. (Withdrawn) The composition according to claim 54, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

56. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

57. (Withdrawn) The composition according to claim 56, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

58. (Withdrawn) The composition according to claim 57, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

59. (Withdrawn) The composition according to claim 58, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

60. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

61. (Withdrawn) The composition according to claim 60, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

62. (Withdrawn) The composition according to claim 61, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

63. (Withdrawn) The composition according to claim 62, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

64. (Withdrawn) The composition according to claim 1, wherein said composition further comprises at least one additional fatty material.

65. (Withdrawn) The composition according to claim 64, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

66. (Withdrawn) The composition according to claim 1, wherein said composition further comprises castor oil.

67. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is chosen from propylene glycol ricinoleate, isopropyl hydroxystearate, triisocetyl citrate, diisostearyl malate, octyl hydroxystearate, triisoarachidyl citrate, cetyl lactate, dioctyl malate, octyldodecyl hydroxystearate, di-isostearyl malate, and diisostearyl lactate.

68. (Withdrawn) The composition according to claim 67, wherein said at least one oil-soluble ester is diisostearyl malate.

69. (Withdrawn) The composition according to claim 67, wherein said at least one oil-soluble ester is triisocetyl citrate.

70. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 10% to 84% by weight relative to the total weight of the composition.

71. (Withdrawn) The composition according to claim 70, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 20% to 70% by weight relative to the total weight of the composition.

72. (Withdrawn) The composition according to claim 1, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid

simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

73. (Withdrawn) The composition according to claim 1, wherein said composition is a solid.

74. (Withdrawn) The composition according to claim 73, wherein said composition is a solid chosen from molded and poured sticks.

75. (Withdrawn) The composition according to claim 1, further comprising at least one fatty alcohol.

76. (Withdrawn) The composition according to claim 75, wherein said at least one fatty alcohol is chosen from  $C_8$  to  $C_{26}$  fatty alcohols.

77. (Withdrawn) The composition according to claim 76, wherein said at least one fatty alcohol is chosen from  $C_{12}$  to  $C_{20}$  fatty alcohols.

78. (Withdrawn) The composition according to claim 77, wherein said  $C_{12}$  to  $C_{20}$  fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

79. (Withdrawn) The composition according to claim 75, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

80. (Withdrawn) The composition according to claim 79, wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

81. (Withdrawn) The composition according to claim 80 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

82. (Withdrawn) The composition according to claim 1, further comprising at least one oil-soluble polymer.

83. (Withdrawn) The composition according to claim 82, wherein said at least oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

84. (Withdrawn) The composition according to claim 82 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

85. (Withdrawn) The composition according to claim 83 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

86. (Withdrawn) The composition according to claim 84 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

87. (Withdrawn) The composition according to claim 1, further comprising at least one oil-soluble cationic surfactant.

88. (Withdrawn) The composition according to claim 87, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds, fatty amines, and salts of fatty amines.

89. (Withdrawn) The composition according to claim 87, wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 10% by weight, relative to the weight of the composition.

90. (Withdrawn) The composition according to claim 89, wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

91. (Withdrawn) The composition according to claim 90 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.5% to 2% by weight, relative to the weight of the composition.

92. (Withdrawn) The composition according to claim 1, further comprising at least one wax.

93. (Withdrawn) The composition according to claim 92, wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides.

94. (Withdrawn) The composition according to claim 92, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

95. (Previously presented) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit and at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group;

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group, and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil;

(iii) at least one coloring agent; and

(iv) at least one preserving agent chosen from methylparaben, ethylparaben, propylparaben, and butylparaben.

96. (Cancelled)

97. (Previously presented) The composition according to claim 95, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

98. (Original) The composition according to claim 97, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

99. (Original) The composition according to claim 98, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.



100. (Previously presented) The composition according to claim 95, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

101. (Original) The composition according to claim 100, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

102. (Original) The composition according to claim 101, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

103. (Previously presented) The composition according to claim 95, wherein said at least one terminal fatty chain is functionalized.

104. (Previously presented) The composition according to claim 95, wherein said at least one pendant fatty chain is functionalized.

105. (Previously presented) The composition according to claim 95, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

106. (Original) The composition according to claim 95, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

107. (Original) The composition according to claim 95, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

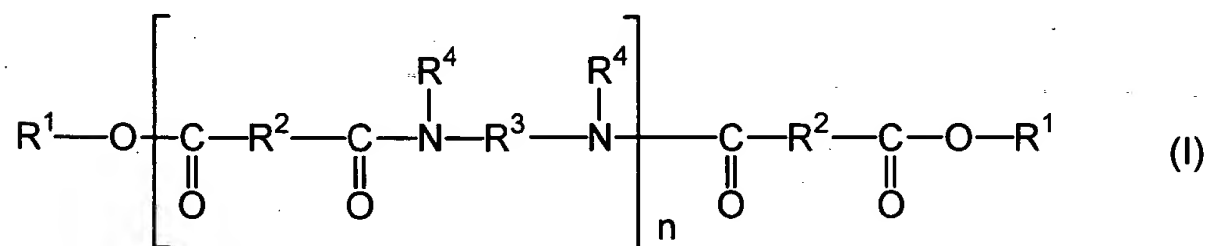
108. (Original) The composition according to claim 98, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 50,000.

109. (Original) The composition according to claim 99, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 1000 to 30,000.

110. (Original) The composition according to claim 100, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 20,000.

111. (Original) The composition according to claim 101, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 10,000.

112. (Original) The composition according to claim 95, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

113. (Original) The composition according to claim 112, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

114. (Original) The composition according to claim 113, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.

115. (Original) The composition according to claim 112, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

116. (Original) The composition according to claim 115, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

117. (Original) The composition according to claim 116, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

118. (Original) The composition according to claim 112, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

119. (Original) The composition according to claim 118, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

120. (Original) The composition according to claim 112, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

121. (Original) The composition according to claim 120, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

122. (Original) The composition according to claim 112, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

123. (Original) The composition according to claim 112, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

124. (Original) The composition according to claim 115, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one

polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

125. (Original) The composition according to claim 124, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

126. (Original) The composition according to claim 125, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

127. (Original) The composition according to claim 126, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

128. (Original) The composition according to claim 124, wherein said at least one amine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

129. (Original) The composition according to claim 95, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

130. (Original) The composition according to claim 129, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

131. (Original) The composition according to claim 95, wherein said at least one polyamide polymer is chosen from:

-polymers chosen from mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine, and having a weight-average molecular mass of about 6000;

-polyamide polymers resulting from the condensation of at least one aliphatic dicarboxylic acid and at least one diamine, the carbonyl and amine groups being condensed via an amide bond; and

-polyamide resins from vegetable sources.

132. (Original) The composition according to claim 95, wherein said at least one polyamide polymer has a softening point greater than 50°C.

133. (Original) The composition according to claim 132, wherein said at least one polyamide polymer has a softening point ranging from 65°C to 190°C.

134. (Original) The composition according to claim 133, wherein said at least one polyamide polymer has a softening point ranging from 70°C to 130°C.

135. (Original) The composition according to claim 134, wherein said at least one polyamide polymer has a softening point ranging from 80°C to 105°C.

136. (Original) The composition according to claim 95, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

137. (Original) The composition according to claim 136, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

138. (Original) The composition according to claim 137, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

139. (Previously presented) The composition according to claim 95, wherein said composition has a hardness ranging from 30 to 300 g, measured by the cheesewire method.

140. (Previously presented) The composition according to claim 139, wherein said composition has a hardness ranging from 30 to 250 g, measured by the cheesewire method.

141. (Previously presented) The composition according to claim 140, wherein said composition has a hardness ranging from 30 to 200 g, measured by the cheesewire method.

142. (Original) The composition according to claim 95, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

143. (Original) The composition according to claim 142, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

144. (Previously presented) The composition according to claim 143, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms,  $R_6$  is chosen from hydrocarbon-based chains comprising from 1 to 40 carbon atoms, and the sum of carbon atoms in  $R_5$  and  $R_6$  is greater than or equal to 10;
- synthetic ethers containing from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

145. (Original) The composition according to claim 143, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

146. (Original) The composition according to claim 95, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

147. (Original) The composition according to claim 146, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.



148. (Original) The composition according to claim 147, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

149. (Original) The composition according to claim 148, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

150. (Original) The composition according to claim 149, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

151. (Original) The composition according to claim 150, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

152. (Original) The composition according to claim 95, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

153. (Original) The composition according to claim 152, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

154. (Original) The composition according to claim 153, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

155. (Original) The composition according to claim 154, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

156. (Original) The composition according to claim 95, wherein said composition further comprises at least one additional fatty material.

157. (Previously presented) The composition according to claim 156, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

158. (Withdrawn) The composition according to claim 95, wherein said composition further comprises castor oil.

159. (Withdrawn) The composition according to claim 95, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is chosen from propylene glycol ricinoleate, isopropyl hydroxystearate, triisocetyl citrate, diisostearyl malate, octyl hydroxystearate, triisoarachidyl citrate, cetyl lactate, dioctyl malate, octyldodecyl hydroxystearate, diisostearyl malate, and diisostearyl lactate.

160. (Withdrawn) The composition according to claim 159, wherein said at least one oil-soluble ester is diisostearyl malate.

161. (Withdrawn) The composition according to claim 159, wherein said at least one oil-soluble ester is triisocetyl citrate.

162. (Withdrawn) The composition according to claim 95, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 10% to 84% by weight, relative to the total weight of the composition.

163. (Withdrawn) The composition according to claim 162, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 20% to 70% by weight, relative to the total weight of the composition.

164. (Original) The composition according to claim 95, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

165. (Original) The composition according to claim 95, wherein said composition is a solid.

166. (Original) The composition according to claim 165, wherein said composition is a solid chosen from molded and poured sticks.

167. (Original) The composition according to claim 95, further comprising at least one fatty alcohol.

168. (Original) The composition according to claim 167, wherein said at least one fatty alcohol is chosen from  $C_8$  to  $C_{26}$  fatty alcohols.

169. (Original) The composition according to claim 168, wherein said at least one fatty alcohol is chosen from  $C_{12}$  to  $C_{20}$  fatty alcohols.

170. (Original) The composition according to claim 169, wherein said  $C_{12}$  to  $C_{20}$  fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

171. (Original) The composition according to claim 167, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

172. (Original) The composition according to claim 171, wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

173. (Original) The composition according to claim 172 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

174. (Original) The composition according to claim 95, further comprising at least one oil-soluble polymer.

175. (Original) The composition according to claim 174, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

176. (Original) The composition according to claim 174 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

177. (Original) The composition according to claim 176 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

178. (Original) The composition according to claim 177 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

179. (Withdrawn) The composition according to claim 95, further comprising at least one oil-soluble cationic surfactant.

180. (Withdrawn) The composition according to claim 179, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds, fatty amines, and salts of fatty amines.

181. (Withdrawn) The composition according to claim 179 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 10% by weight, relative to the weight of the composition.

182. (Withdrawn) The composition according to claim 179 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

183. (Withdrawn) The composition according to claim 182 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.5% to 2% by weight, relative to the weight of the composition.

184. (Original) The composition according to claim 95, further comprising at least one wax.

185. (Previously presented) The composition according to claim 184, wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides.

186. (Original) The composition according to claim 184, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

187. (Withdrawn) An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil.

188. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

189. (Withdrawn) The anhydrous composition according to claim 188, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

190. (Withdrawn) The anhydrous composition according to claim 289, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

191. (Withdrawn) The anhydrous composition according to claim 190, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

192. (Withdrawn) The anhydrous composition according to claim 188, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

193. (Withdrawn) The anhydrous composition according to claim 192, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

194. (Withdrawn) The anhydrous composition according to claim 193, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

195. (Withdrawn) The anhydrous composition according to claim 188, wherein said at least one terminal fatty chain is functionalized.

196. (Withdrawn) The anhydrous composition according to claim 188, wherein said at least one pendant fatty chain is functionalized.

197. (Withdrawn) The anhydrous composition according to claim 188, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

198. (Withdrawn) The anhydrous composition according to claim 197, wherein in said at least one structuring polymer, the percentage of the total number of fatty

chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

199. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

200. (Withdrawn) The anhydrous composition according to claim 199, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

201. (Withdrawn) The anhydrous composition according to claim 200, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

202. (Withdrawn) The anhydrous composition according to claim 201, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.

203. (Withdrawn) The anhydrous composition according to claim 202, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.

204. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

205. (Withdrawn) The anhydrous composition according to claim 204, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.



206. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

207. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

208. (Withdrawn) The anhydrous composition according to claim 207, wherein said at least one hetero atom is a nitrogen atom.

209. (Withdrawn) The anhydrous composition according to claim 207, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

210. (Withdrawn) The anhydrous composition according to claim 209, wherein said at least one hetero atom group further comprises a carbonyl group.

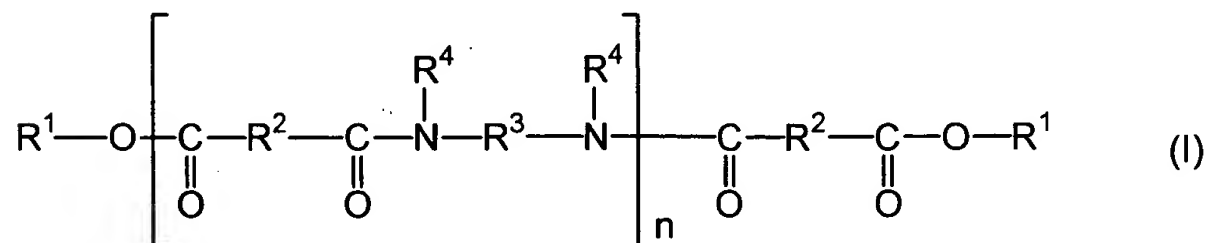
211. (Withdrawn) The anhydrous composition according to claim 209, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

212. (Withdrawn) The anhydrous composition according to claim 211, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

213. (Withdrawn) The anhydrous composition according to claim 211, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups

and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

214. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to

which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

215. (Withdrawn) The anhydrous composition according to claim 214, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

216. (Withdrawn) The anhydrous composition according to claim 215, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.

217. (Withdrawn) The anhydrous composition according to claim 214, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

218. (Withdrawn) The anhydrous composition according to claim 217, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

219. (Withdrawn) The anhydrous composition according to claim 218, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

220. (Withdrawn) The anhydrous composition according to claim 214, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

221. (Withdrawn) The anhydrous composition according to claim 214, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups.

222. (Withdrawn) The anhydrous composition according to claim 214, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

223. (Withdrawn) The anhydrous composition according to claim 222, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

224. (Withdrawn) The anhydrous composition according to claim 214, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

225. (Withdrawn) The anhydrous composition according to claim 224, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

226. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one structuring polymer has a softening point greater than  $50^{\circ}\text{C}$ .

227. (Withdrawn) The anhydrous composition according to claim 226, wherein said at least one structuring polymer has a softening point ranging from  $65^{\circ}\text{C}$  to  $190^{\circ}\text{C}$ .

228. (Withdrawn) The anhydrous composition according to claim 227, wherein said at least one structuring polymer has a softening point ranging from  $70^{\circ}\text{C}$  to  $130^{\circ}\text{C}$ .

229. (Withdrawn) The anhydrous composition according to claim 228, wherein said at least one structuring polymer has a softening point ranging from  $80^{\circ}\text{C}$  to  $105^{\circ}\text{C}$ .

230. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

231. (Withdrawn) The anhydrous composition according to claim 230 wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

232. (Withdrawn) The anhydrous composition according to claim 231, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

233. (Withdrawn) The anhydrous composition according to claim 187, wherein said composition has a hardness ranging from 30 to 300 g.

234. (Withdrawn) The anhydrous composition according to claim 233, wherein said composition has a hardness ranging from 30 to 250 g.

235. (Withdrawn) The anhydrous composition according to claim 234, wherein said composition has a hardness ranging from 30 to 200 g.

236. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

237. (Withdrawn) The anhydrous composition according to claim 236, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

238. (Withdrawn) The anhydrous composition according to claim 237, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon

atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains:

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms,  $R_6$  is chosen from hydrocarbon-based chains comprising from 1 to 40 carbon atoms, and  $R_5 + R_6 \geq 10$ ;
- synthetic ethers containing from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

239. (Withdrawn) The anhydrous composition according to claim 237, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

240. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

241. (Withdrawn) The anhydrous composition according to claim 240, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

242. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

243. (Withdrawn) The anhydrous composition according to claim 242, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

244. (Withdrawn) The anhydrous composition according to claim 243 wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

245. (Withdrawn) The anhydrous composition according to claim 244, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

246. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

247. (Withdrawn) The anhydrous composition according to claim 246, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

248. (Withdrawn) The anhydrous composition according to claim 247, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

249. (Withdrawn) The anhydrous composition according to claim 248, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

250. (Withdrawn) The anhydrous composition according to claim 187, wherein said composition further comprises at least one additional fatty material.

251. (Withdrawn) The anhydrous composition according to claim 250, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

252. (Withdrawn) The anhydrous composition according to claim 187, wherein said anhydrous composition further comprises castor oil.

253. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is chosen from propylene glycol ricinoleate, Isopropyl hydroxystearate, triisocetyl citrate, diisostearyl malate, octyl hydroxystearate, triisoarachidyl citrate, cetyl lactate, dioctyl malate, octyldodecyl hydroxystearate, diisostearyl malate, and diisostearyl lactate.

254. (Withdrawn) The anhydrous composition according to claim 253, wherein said at least one oil-soluble ester is diisostearyl malate.

255. (Withdrawn) The anhydrous composition according to claim 253, wherein said at least one oil-soluble ester is triisocetyl citrate.

256. (Withdrawn) The anhydrous composition according to claim 187, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 10% to 84% by weight, relative to the total weight of the anhydrous composition.



257. (Withdrawn) The anhydrous composition according to claim 256, wherein said at least one oil-soluble ester comprising at least one free hydroxy group is present in an amount ranging from 20% to 70% by weight, relative to the total weight of the anhydrous composition.

258. (Withdrawn) The anhydrous composition according to claim 187, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

259. (Withdrawn) The anhydrous composition according to claim 187, wherein said composition is a solid.

260. (Withdrawn) The anhydrous composition according to claim 259, wherein said composition is a solid chosen from molded and poured sticks.

261. (Withdrawn) The composition according to claim 187, further comprising at least one fatty alcohol.

262. (Withdrawn) The composition according to claim 261, wherein said at least one fatty alcohol is chosen from C<sub>8</sub> to C<sub>26</sub> fatty alcohols.

263. (Withdrawn) The composition according to claim 262, wherein said at least one fatty alcohol is chosen from C<sub>12</sub> to C<sub>20</sub> fatty alcohols.

264. (Withdrawn) The composition according to claim 263, wherein said C<sub>12</sub> to C<sub>20</sub> fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

265. (Withdrawn) The composition according to claim 261, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition

266. (Withdrawn) The composition according to claim 265 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10% by weight, relative to the weight of the composition.

267. (Withdrawn) The composition according to claim 266 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8% by weight, relative to the weight of the composition.

268. (Withdrawn) The composition according to claim 187, further comprising at least one oil-soluble polymer.

269. (Withdrawn) The composition according to claim 268, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

270. (Withdrawn) The composition according to claim 268 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

271. (Withdrawn) The composition according to claim 270 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

272. (Withdrawn) The composition according to claim 271 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

273. (Withdrawn) The anhydrous composition according to claim 187, further comprising at least one oil-soluble cationic surfactant.

274. (Withdrawn) The composition according to claim 273, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds, fatty amines, and salts of fatty amines.

275. (Withdrawn) The composition according to claim 273 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 10% by weight, relative to the weight of the composition.

276. (Withdrawn) The composition according to claim 273 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

277. (Withdrawn) The composition according to claim 276 wherein the at least one oil-soluble cationic surfactant is present in a concentration ranging from 0.5% to 2% by weight, relative to the weight of the composition.

278. (Withdrawn) The composition according to claim 187, further comprising at least one wax.

279. (Withdrawn) The anhydrous composition according to claim 278, wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides.

280. (Withdrawn) The composition according to claim 278, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

281. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom with the proviso that said at least one hetero atom is not nitrogen; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil.

282. (Withdrawn) A foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product comprising:

at least one liquid fatty phase in said foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

283. (Withdrawn) The foundation, mascara, eyeliner, concealer, lipstick, blush for cheeks or eyelids, body make-up, sunscreen, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or make-up-removing product according to claim 282, wherein said foundation, mascara, eyeliner, concealer, lipstick, blush for cheeks or eyelids, body make-up, sunscreen, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or make-up-removing product is a solid.

284. (Withdrawn) An anhydrous deodorant comprising:

at least one liquid fatty phase in said deodorant which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

285. (Withdrawn) The anhydrous deodorant according to claim 284, wherein said anhydrous deodorant is a solid.

286. (Withdrawn) A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

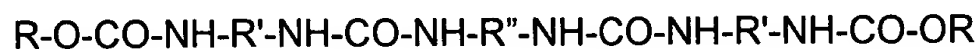
(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

287. (Withdrawn) A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one oil-soluble ester comprising at least one free

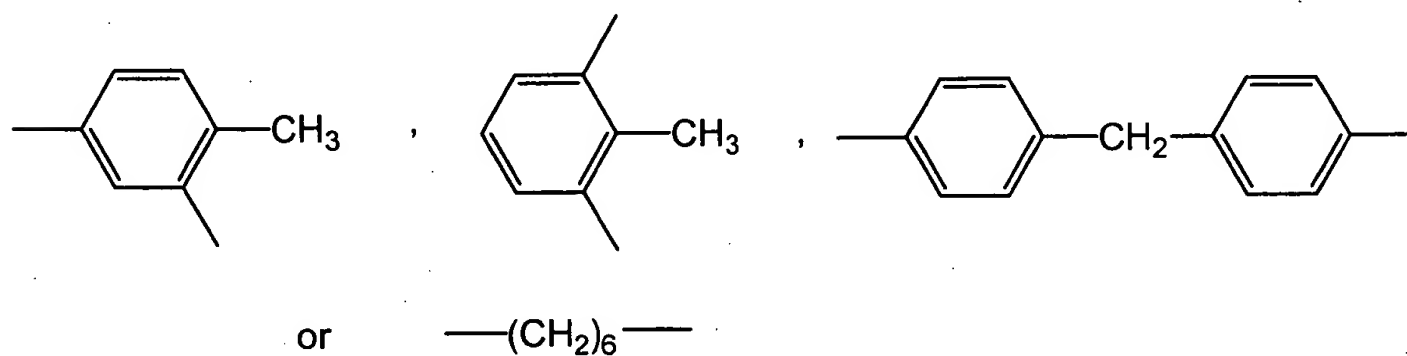
hydroxy group, and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100,000 in said lipstick composition, wherein said at least one continuous fatty phase, said at least one oil-soluble ester comprising at least one free hydroxy group, and said at least one non-waxy structuring polymer are present in said lipstick composition.

288. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

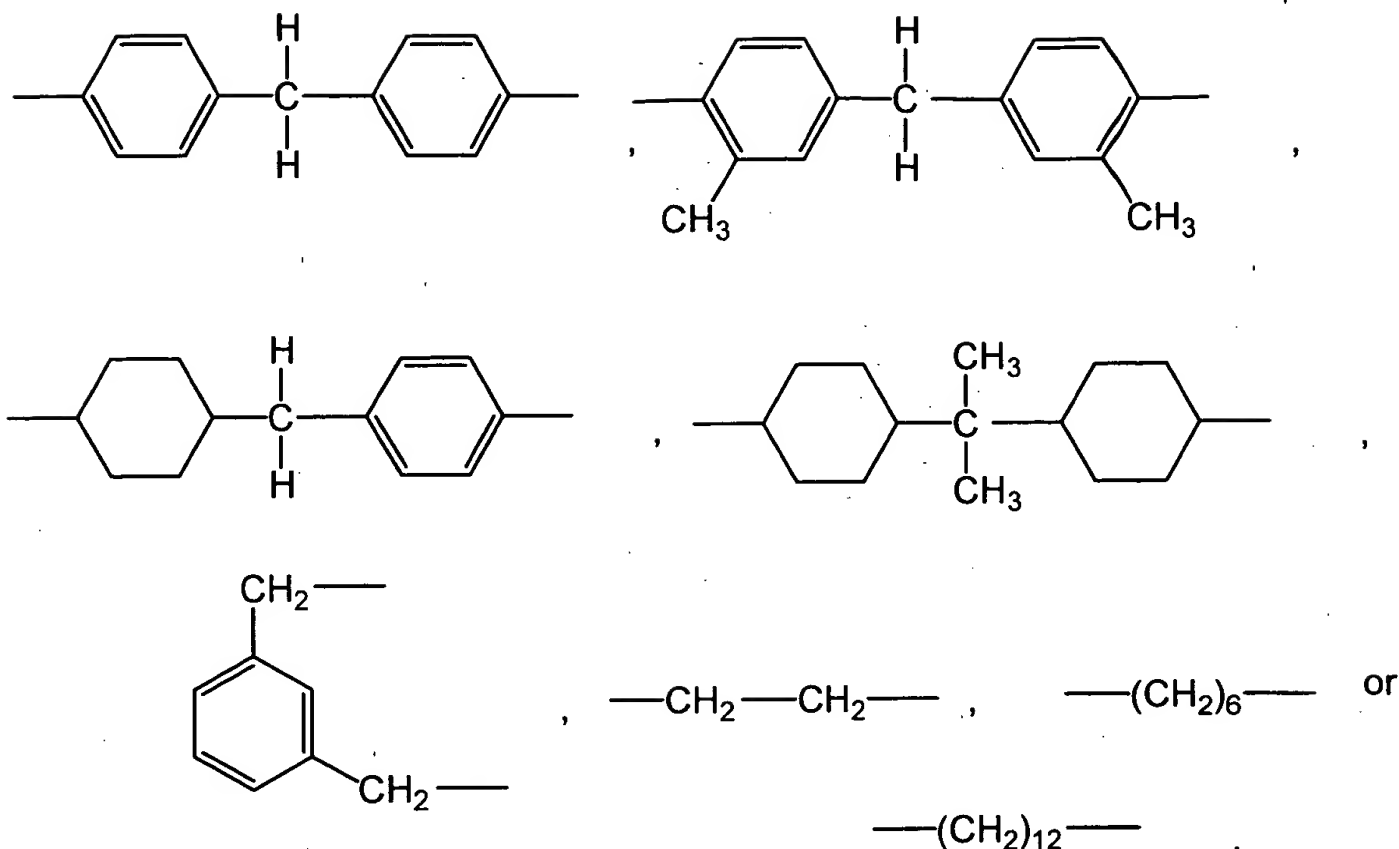
(i) at least one structuring polymer chosen from urea urethanes having the following formula:



wherein R represents  $\text{C}_n\text{H}_{2n+1}-$ , wherein n represents an integer having a value greater than 22 or  $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$ , wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10; R' represents:



and R'' represents



; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

289. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

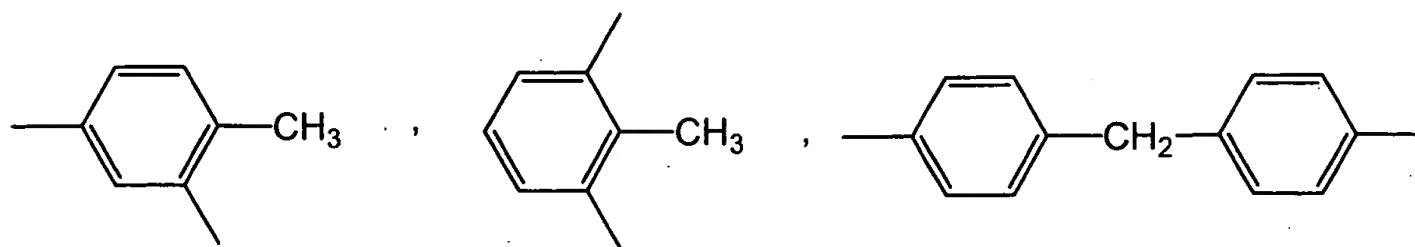
(ii) at least one oil-soluble ester comprising at least one free hydroxy group,

wherein said at least one structuring polymer does not include



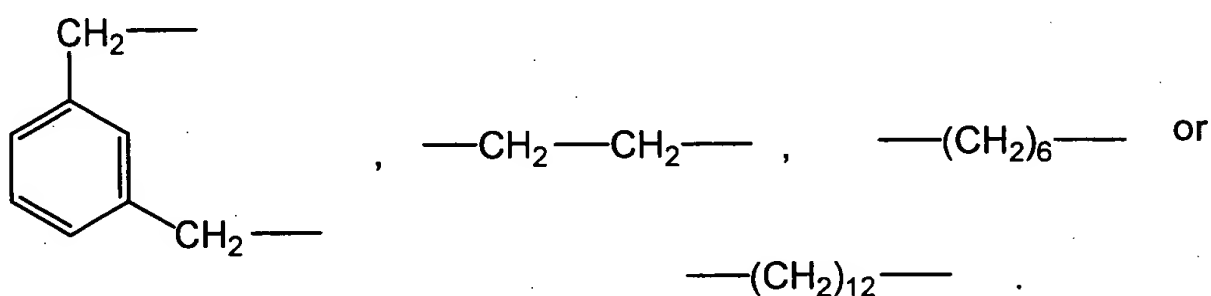
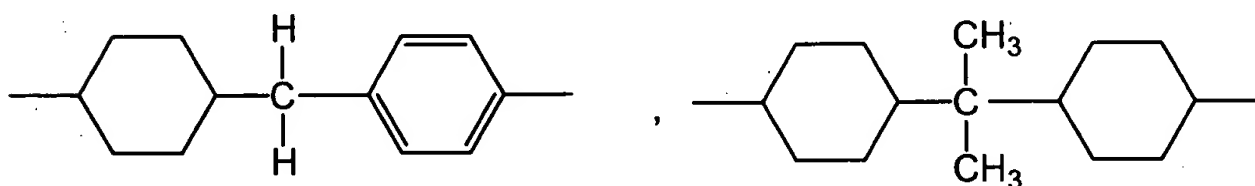
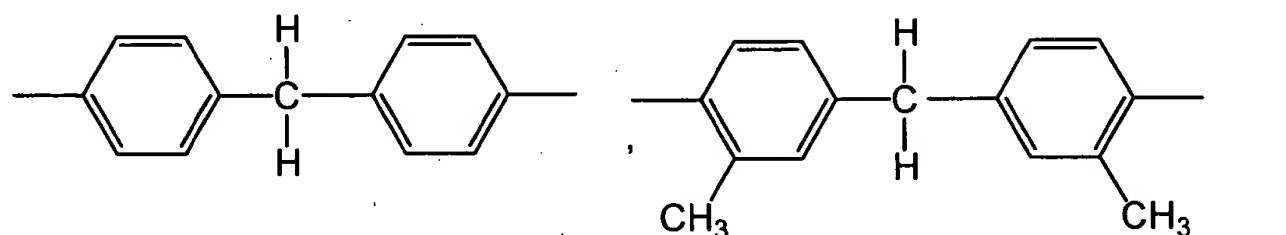
wherein R represents  $\text{C}_n\text{H}_{2n+1}-$  or  $\text{C}_m\text{H}_{2m+1}(\text{C}_p\text{H}_{2p}\text{O})_r-$ ; n represents an integer having a value of from 4 to 22; m represents an integer having a value of from 1 to 18;

p represents an integer having a value of from 2 to 4; and r represents an integer having a value of from 1 to 10; R' represents:



or  $-(CH_2)_6-$

and R'' represents:



290. (Withdrawn) A make up, care, or treatment composition for the skin or lips comprising a structured composition comprising at least one liquid fatty phase in said composition structured with at least one structuring polymer comprising a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at



least one hetero atom, at least one oil-soluble ester comprising at least one free hydroxy group, and at least one coloring agent.

291. (Withdrawn) A treatment, care or make-up composition for keratinous fibers comprising a structured composition in said composition containing at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one oil-soluble ester comprising at least one free hydroxy group, and at least one coloring agent.

292. (Withdrawn) A structured composition comprising at least one liquid fatty phase in said composition structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups and at least one oil-soluble ester comprising at least one free hydroxy group.

293. (Withdrawn) A composition according to claim 292, wherein said at least one structuring polymer may also comprise at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via bonded to any carbon or hetero atom of the polymer skeleton via at least one linking group chosen from amides,

ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one pendant fatty chain is chosen from branched alkyl groups.

294. (Withdrawn) A structured composition comprising at least one liquid fatty phase in said composition structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one pendant fatty chain is chosen from branched alkyl groups and at least one oil-soluble ester comprising at least one free hydroxy group.

295. (Withdrawn) A method for care, make-up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising applying to said keratin material a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

296. (Withdrawn) A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

297. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

298. (Withdrawn) A method for providing at least one of resistance to shear and stability to a cosmetic composition, comprising including in said cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group,

and further wherein said at least one structuring polymer and said at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums are present in a combined amount effective to provide at least one property chosen from resistance to shear and stability.

299. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising: a polymer skeleton which comprises a) at least one hydrocarbon-based repeating unit comprising at least one hetero atom and b) at least one of:

- at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

- at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

300. (Withdrawn) A sunscreen comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

301. (Withdrawn) An anhydrous sunscreen comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble ester comprising at least one free hydroxy group.

302. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said at least one liquid fatty phase of the anhydrous sunscreen comprises at least one oil.

303. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said anhydrous sunscreen further comprises castor oil.

304. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said anhydrous sunscreen further comprises at least one fatty alcohol.

305. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said anhydrous sunscreen further comprises at least one oil-soluble cationic surfactant.

306. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said anhydrous sunscreen further comprises at least one oil-soluble polymer.

307. (Withdrawn) The anhydrous sunscreen according to claim 301, wherein said anhydrous sunscreen is a solid.

308. (Withdrawn) The anhydrous sunscreen according to claim 307, wherein said anhydrous sunscreen is a solid chosen from molded and poured sticks.

309. (Withdrawn) A composition comprising at least one liquid fatty phase comprising:

(i) at least one structuring polymer which comprises at least one hydrocarbon-based repeating unit; and

(ii) at least one UV blocker.

310. (Withdrawn) The composition according to claim 309, wherein said at least one UV blocker is chosen from organic filters, inorganic nanoparticles, and mixtures thereof.

311. (Withdrawn) The composition according to claim 309, wherein said UV blocker is present in an amount ranging from 0.1% to 30% of the total weight of the composition.

312. (Previously presented) The composition according to claim 95, wherein said composition has a hardness ranging from 30 to 300 g, measured by penetrating a probe into said composition using a texture analyzer.

313. (Previously presented) The composition according to claim 312, wherein said composition has a hardness ranging from 30 to 250 g, measured by penetrating a probe into said composition using a texture analyzer.

314. (Previously presented) The composition according to claim 313, wherein said composition has a hardness ranging from 30 to 200 g, measured by penetrating a probe into said composition using a texture analyzer.



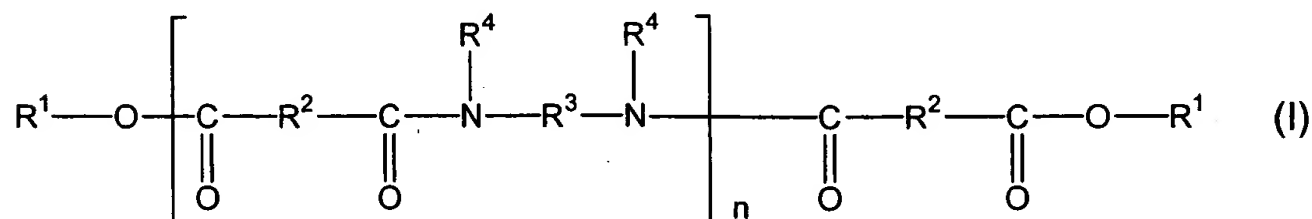
PENDING CLAIMS  
Application No. 10/918,579  
Attorney Docket No. 05725.0808-02000  
Filed: August 16, 2004

1-299. (Canceled).

300. (Previously presented) A method for providing stability to a cosmetic composition comprising including in said cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

(ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil; and

(iii) at least one coloring agent.

301. (Previously presented) The method according to claim 300, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

302. (Previously presented) The method according to claim 300, wherein said composition further comprises at least one additional fatty material.

303. (Previously presented) The method according to claim 302, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

304. (Previously presented) The method according to claim 300, wherein said composition further comprises at least one fatty alcohol.

305. (Previously presented) The method according to claim 304, wherein said at least one fatty alcohol is chosen from  $C_8$  to  $C_{26}$  fatty alcohols.

306. (Previously presented) The method according to claim 305, wherein said at least one fatty alcohol is chosen from  $C_{12}$  to  $C_{20}$  fatty alcohols.

307. (Previously presented) The method according to claim 306, wherein said  $C_{12}$  to  $C_{20}$  fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.



308. (Previously presented) The method according to claim 304, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

309. (Previously presented) The method according to claim 308, wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

310. (Previously presented) The method according to claim 309 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

311. (Previously presented) The method according to claim 300, wherein said composition further comprises at least one oil-soluble polymer.

312. (Previously presented) The method according to claim 311, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

313. (Previously presented) The method according to claim 311, wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

314. (Previously presented) The method according to claim 313, wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

315. (Previously presented) The method according to claim 314 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

316. (Previously presented) The method according to claim 300, wherein said composition further comprises at least one wax.

317. (Previously presented) The method according to claim 316, wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides.

318. (Previously presented) The method according to claim 316, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

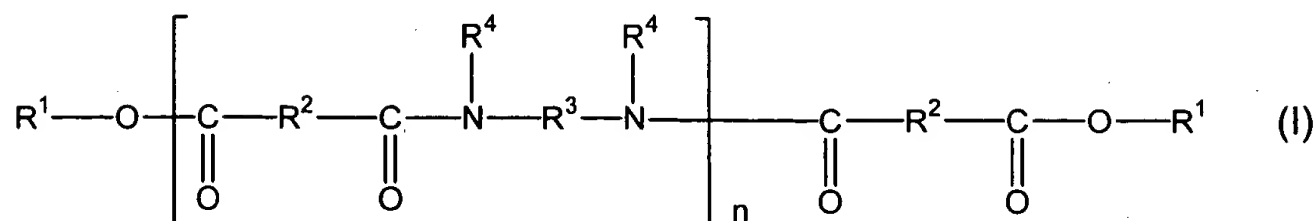
319. (Previously presented) The method according to claim 300, wherein the composition further comprises at least one preserving agent chosen from methylparaben, ethylparaben, propylparaben, and butylparaben.

320. (Previously presented) The method according to claim 300, wherein the at least one structuring polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

321. (Previously presented) A container comprising a lipstick composition comprising:

(i) at least one structuring polymer chosen from polyamide polymers of formula

(I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups having at least 4 carbon atoms and alkenyl groups having at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

(ii) at least one oil-soluble ester comprising at least one free hydroxy group with the proviso that said at least one oil-soluble ester is not castor oil; and

(iii) at least one coloring agent.



Pending Claims  
Application No. 09/733,897  
Attorney Docket No.: 05725.0809-00000  
Filed: December 12, 2000

1. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;
  - (ii) at least one oil-soluble ester comprising at least one free hydroxy group; and
  - (iii) at least one oil-soluble cationic surfactant.
2. (Original) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;
  - (ii) at least one oil-soluble ester comprising at least one free hydroxy group; and
  - (iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.
3. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;
  - (ii) at least one oil-soluble cationic surfactant; and
  - (iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.
4. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

- a polymer skeleton which comprises at least one amide repeating unit;
- (ii) at least one oil-soluble ester comprising at least one free hydroxy group; and
- (iii) at least one oil-soluble cationic surfactant.

5. (Original) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

- a polymer skeleton which comprises at least one amide repeating unit;
- (ii) at least one oil-soluble ester comprising at least one free hydroxy group; and
- (iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

6. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

- a polymer skeleton which comprises at least one amide repeating unit;
- (ii) at least one oil-soluble cationic surfactant; and
- (iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

7. (Withdrawn) An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

- (ii) at least one oil-soluble ester comprising at least one free hydroxy group; and
- (iii) at least one oil-soluble cationic surfactant.

8. (Original) An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

(ii) at least one oil-soluble ester comprising at least one free hydroxy group; and  
(iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

9. (Withdrawn) An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;  
(ii) at least one oil-soluble cationic surfactant; and  
(iii) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

10. (Cancelled)

11. (Original) A mascara, an eyeliner, a foundation, a lipstick, a make-up-removing product, a make-up product for the body, a nail composition, an eyeshadow, a face powder, a concealer product, a shampoo, a conditioner, an antisen product or a care product for the lips, hair or nails comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, lipstick, blusher, make-up-removing product, make-up product for the body, nail composition, eyeshadow, face powder, concealer product, shampoo, conditioner, antisen product or care product for the lips, hair or nails which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

12. (Original) A deodorant product or a care product for the skin, lips, or body comprising a composition comprising at least one liquid fatty phase in said product which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

13. (Cancelled)

14. (Original) A care and/or treatment and/or make-up composition for keratinous fibers, lips or skin comprising at least one liquid fatty phase in said care and/or treatment and/or make-up composition for keratinous fibers, lips or skin which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

15. (Original) A lipstick composition in stick form comprising (i) at least one continuous liquid fatty phase, (ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums, and (iii) at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100 000 in said lipstick composition, said continuous liquid fatty phase, said at least two components, and said at least one non-waxy structuring polymer being present in said lipstick composition.

16. (Original) An eyeshadow composition comprising at least one liquid fatty phase in said eyeshadow composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

17. (Original) A lipstick composition comprising at least one liquid fatty phase in said lipstick composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

18. (Original) A foundation composition comprising at least one liquid fatty phase in said foundation composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.



19. (Withdrawn) A method for care, make-up or treatment of keratinous fibers, lips, or skin comprising applying to said keratinous fibers, lips, or skin a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

20. (Withdrawn) A method for providing an anhydrous composition having at least one property chosen from a solid appearance, non-exudation, shear-strength, gloss, and comfortable deposit on keratin materials chosen from lips, skin, and keratinous fibers, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

21. (Original) A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one chain chosen from

(i) terminal fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, and

(ii) pendant fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters,

wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups, and

further comprising at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

22. (Previously presented) A make-up or care or treatment composition for the skin, the lips, or keratinous fibers comprising a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums, and

wherein said make-up or care or treatment composition further comprises at least one coloring agent.

23. (Withdrawn) A method of making up or caring for skin, lips, or keratinous fibers comprising applying to said skin, lips, or keratinous fibers a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, and

at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and  
 (c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

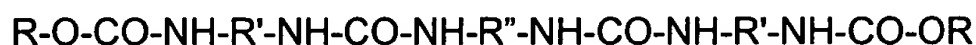
24. (Original) A anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:  
 a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
 (ii) at least two components chosen from:  
 (a) at least one oil-soluble ester comprising at least one free hydroxy group;  
 (b) at least one oil-soluble cationic surfactant; and  
 (c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

25. (Original) An anhydrous composition according to claim 24, wherein said at least three hydrocarbon-based repeating units are identical.

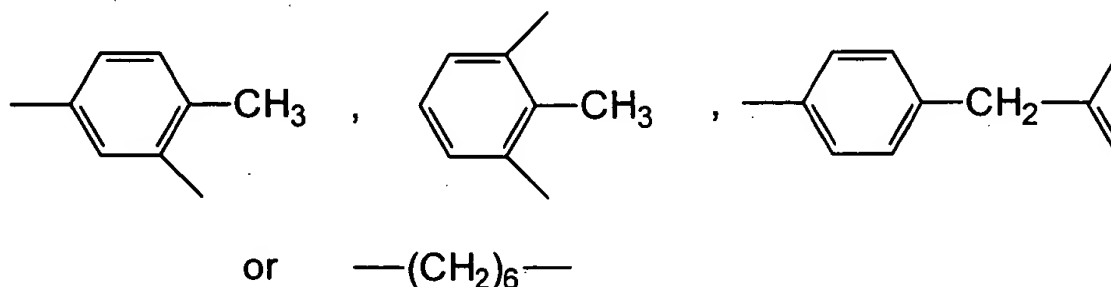
26. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from urea-urethanes having the following formula:

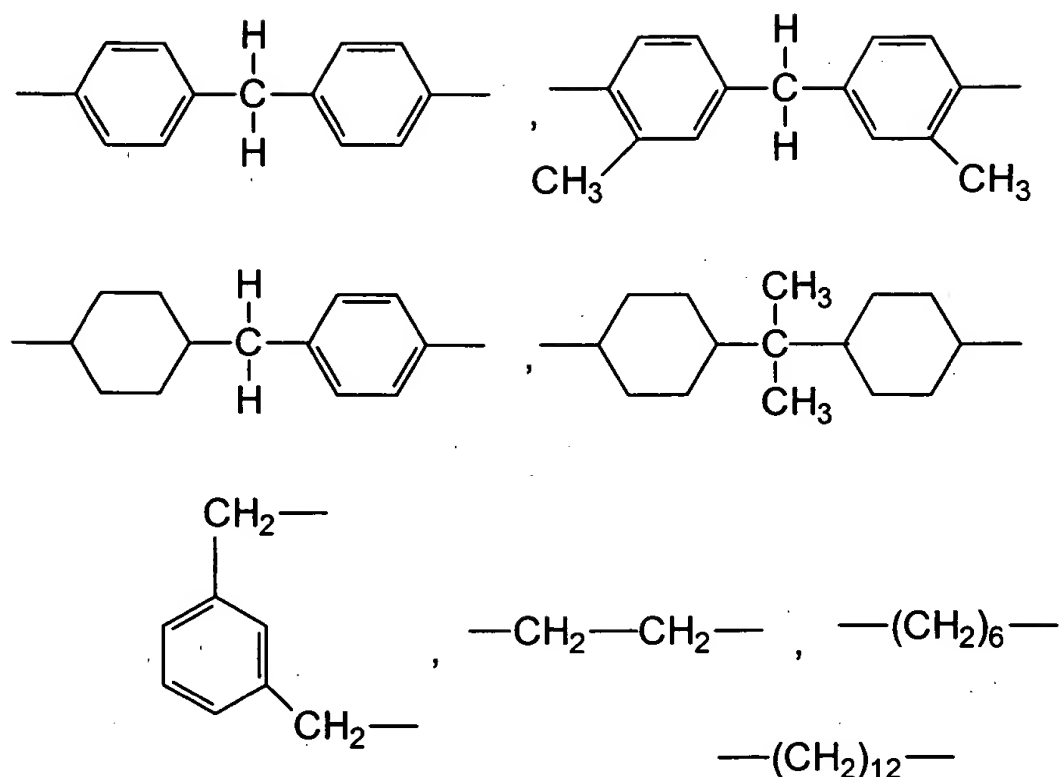


wherein R represents  $\text{C}_n\text{H}_{2n+1}-$ , wherein n represents an integer having a value greater than 22 or  $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$ , wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10.

R' represents:



and R" represents:



; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

27. (Withdrawn) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom with the proviso that said at least one hetero atom is not nitrogen; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

28. (Original) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising: a polymer skeleton which comprises a) at least one hydrocarbon-based repeating unit comprising at least one hetero atom and b) at least one of:

- at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

- at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

29. (Original) A make-up composition in stick form comprising at least one continuous liquid fatty phase, at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums, and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100, 000.

30. (Withdrawn) A method for care, make-up or treatment of keratin materials comprising applying to said keratin materials a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

31. (Withdrawn) A method for care, make-up or treatment of keratin fibers comprising applying to said keratin fibers a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

32. (Withdrawn) A method for increasing at least one of the hardness of a composition, its shear strength and its heat resistance, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and  
(ii) at least two components chosen from:  
(a) at least one oil-soluble ester comprising at least one free hydroxy group;  
(b) at least one oil-soluble cationic surfactant; and  
(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

33. (Withdrawn) A method for making a physiologically acceptable cosmetic composition comprising including in a cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein said at least one structuring polymer further optionally comprises at least one of:

at least one terminal fatty chain comprising 8 to 120 carbon atoms, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain comprising 8 to 120 carbon atoms, wherein said at least one pendant fatty chain is bonded to any carbon or hetero atom of said polymer skeleton via at least one linking group; and

(ii) at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

34. (Original) A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one of: terminal and pendant fatty chains, optionally functionalized, said terminal and pendant fatty chains comprising at least one chain chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said terminal fatty chains are chosen from branched alkyl groups, wherein said at least one liquid fatty phase also comprises at least two components chosen from:

(a) at least one oil-soluble ester comprising at least one free hydroxy group;

(b) at least one oil-soluble cationic surfactant; and

(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

35. (Original) A structured anhydrous composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least

one hetero atom, wherein the at least one structuring polymer further comprises at least one of: terminal and pendant fatty chains, optionally functionalized, said terminal and pendant fatty chains comprising at least one chain chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said terminal fatty chains are chosen from branched alkyl groups, wherein said at least one liquid fatty phase also comprises at least two components chosen from:

- (a) at least one oil-soluble ester comprising at least one free hydroxy group;
- (b) at least one oil-soluble cationic surfactant; and
- (c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated

guar gums.

36. (Cancelled)

37. (Cancelled)

38. (Withdrawn) A method of making up or caring for skin, lips or

keratinous fibers comprising applying to said skin or keratinous fibers a structured composition containing at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom and at least two components chosen from:

- (a) at least one oil-soluble ester comprising at least one free hydroxy group;
- (b) at least one oil-soluble cationic surfactant; and
- (c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated

guar gums.

39. (Original) A composition comprising at least one liquid fatty phase in

said composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least three hydrocarbon-based repeating units comprising at least one hetero atom; and

(ii) at least two components chosen from:

- (a) at least one oil-soluble ester comprising at least one free hydroxy group;
- (b) at least one oil-soluble cationic surfactant; and



(c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

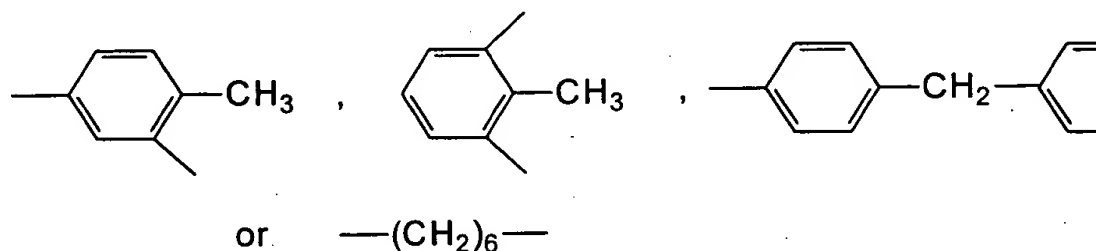
40. (Withdrawn) A composition comprising at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer chosen from urea-urethanes having the following formula:

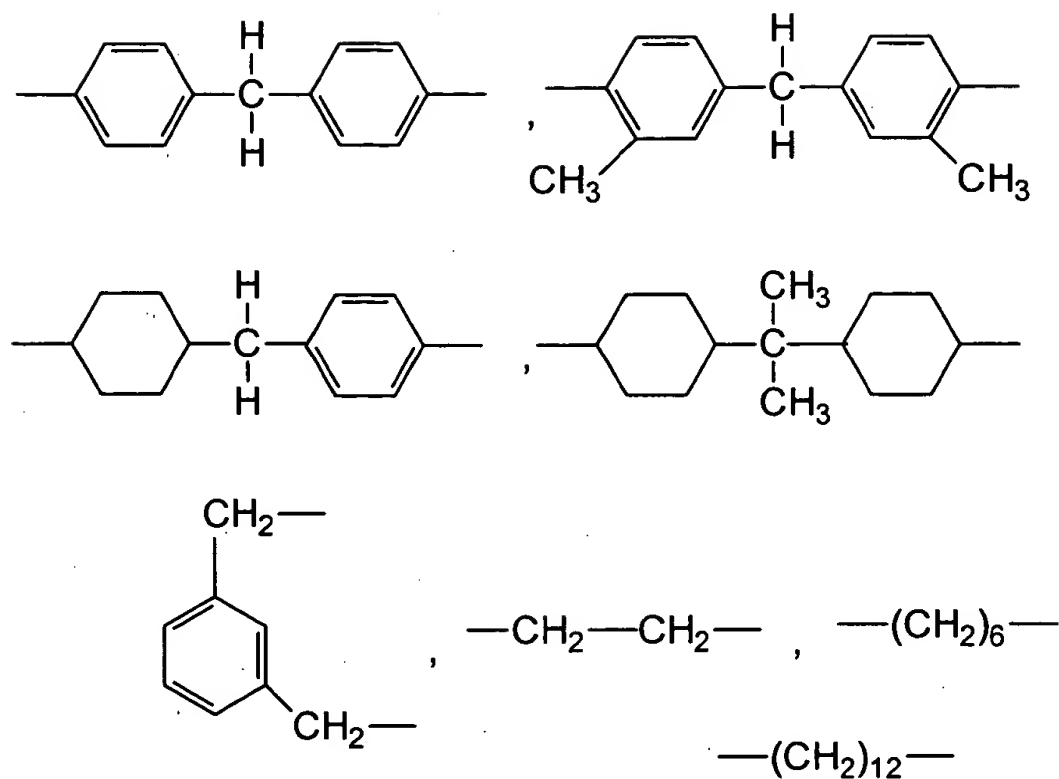


wherein R represents  $\text{C}_n\text{H}_{2n+1}-$ , wherein n represents an integer having a value greater than 22 or  $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$ , wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10.

R' represents:



and R'' represents:



; and

(ii) at least two components chosen from:

- (a) at least one oil-soluble ester comprising at least one free hydroxy group;
- (b) at least one oil-soluble cationic surfactant; and
- (c) at least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar gums.

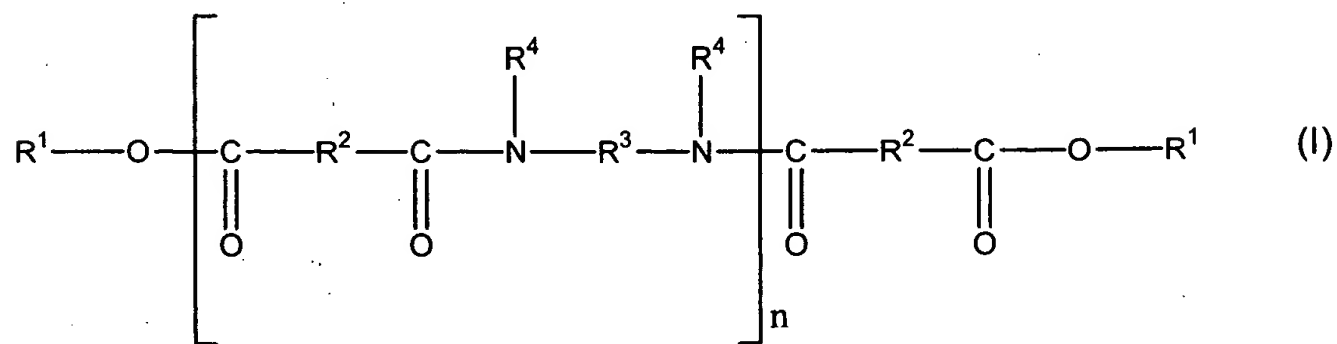
41. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

42. (Withdrawn) The composition according to claim 41, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.
43. (Withdrawn) The composition according to claim 41, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether, and amine groups.
44. (Withdrawn) The composition according to claim 43, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.
45. (Withdrawn) The composition according to claim 41, wherein said at least one terminal fatty chain is functionalized.
46. (Withdrawn) The composition according to claim 41, wherein said at least one pendant fatty chain is functionalized.
47. (Withdrawn) The composition according to claim 41, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.
48. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.
49. (Withdrawn) The composition according to claim 1, wherein said at least one hydrocarbon-based repeating unit comprises from 2 to 80 carbon atoms.
50. (Withdrawn) The composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulfur, and phosphorus.
51. (Withdrawn) The composition according to claim 1, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.
52. (Withdrawn) The composition according to claim 51, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

53. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms, and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

54. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than 50°C.

55. (Withdrawn) The composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

56. (Withdrawn) The composition according to claim 55, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

57. (Withdrawn) The composition according to claim 56, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

58. (Withdrawn) The composition according to claim 1, wherein said composition has a hardness ranging from 30 to 300 g.

59. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase further comprises at least one oil.

60. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase further comprises at least one non-volatile oil.

61. (Withdrawn) The composition according to claim 60, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant, and synthetic origin, synthetic esters and ethers, and silicone oils.

62. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

63. (Withdrawn) The composition according to claim 1, wherein said at least one liquid fatty phase further comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

64. (Withdrawn) The composition according to claim 63, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

65. (Withdrawn) The composition according to claim 1, wherein the at least one oil-soluble ester comprising at least one free hydroxy group is not castor oil.

66. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble ester is chosen from propylene glycol ricinoleate, isopropyl hydroxystearate, tri-isocetyl citrate, di-isostearyl malate, octyl hydroxystearate, tri-isoarachidyl citrate, cetyl lactate, dioctyl malate, octyldodecyl hydroxystearate, di-isostearyl malate, and di-isostearyl lactate.

67. (Withdrawn) The composition according to claim 66, wherein said at least one oil-soluble ester is di-isostearyl malate.

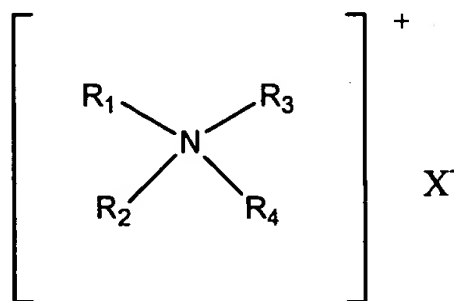
68. (Withdrawn) The composition according to claim 1, wherein the at least one oil-soluble ester comprising at least one free hydroxyl group is present in a concentration ranging from 10% to 84% by weight, relative to the weight of the composition.

69. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds and fatty amines.

70. (Withdrawn) The composition according to claim 69, wherein said quaternary ammonium compounds are chosen from salts of quaternary ammonium compounds.

71. (Withdrawn) The composition according to claim 69, wherein said fatty amines are chosen from salts of fatty amines.

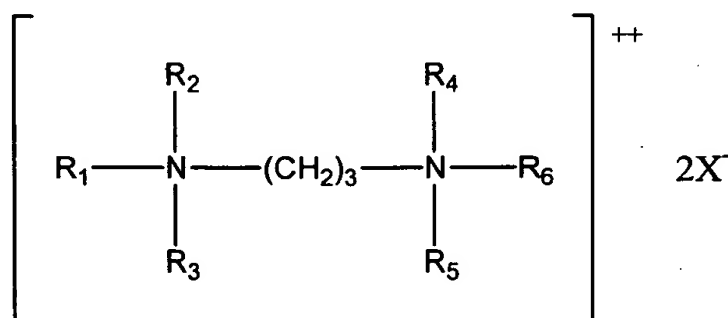
72. (Withdrawn) The composition according to claim 69, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  are each independently chosen from an aliphatic group of from 1 to 22 carbon atoms,  $C_1$ - $C_3$  alkyls, hydroxyalkyls, polyalkoxys, aromatic groups having from 12 to 22 carbon atoms, aryl groups having from 12 to 22 carbon

atoms, and alkylaryl groups having from 12 to 22 carbon atoms; and X is chosen from halogen, acetate, phosphate, nitrate, and alkylsulfate radicals.

73. (Withdrawn) The composition according to claim 69, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R<sub>1</sub> is an aliphatic group having from 16 to 22 carbon atoms; R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, and R<sub>6</sub> are independently chosen from hydrogen and alkyl having from 1 to 4 carbon atoms; and X is chosen from halogens, acetates, phosphates, nitrates, and alkyl sulfate radicals.

74. (Withdrawn) The composition according to claim 69, wherein said fatty amines comprise alkyl groups having from 12 to 22 carbon atoms.

75. (Withdrawn) The composition according to claim 69, wherein said fatty amines are chosen from stearamido propyl dimethyl amine, diethyl amino ethyl stearamide, dimethyl stearamine, dimethyl soyamine, soyamine, tridecyl amine, ethyl stearylamine, ethoxylated stearylamine, dihydroxyethyl stearylamine, and arachidylbehenylamine.

76. (Withdrawn) The composition according to claim 71, wherein said salts of fatty amines are chosen from halogens, acetates, phosphates, nitrates, citrates, lactates, and alkyl sulfates.

77. (Withdrawn) The composition according to claim 69, wherein said quaternary ammonium compounds are chosen from 1-methyl-1-[(stearylamine)ethyl]-2-heptadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[(palmitoylamine)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, and 1-methyl-1-[(tallowamine)-ethyl]-2-tallow-imidazolinium methyl sulfate.

78. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

79. (Withdrawn) The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 10% by weight of the total weight of said composition.

80. (Withdrawn) The composition according to claim 1, wherein the composition is in a form chosen from a fluid gel, rigid gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

81. (Withdrawn) The composition according to claim 1, wherein said composition is a solid.

82. (Withdrawn) The composition according to claim 1, further comprising at least one fatty alcohol.

83. (Withdrawn) The composition according to claim 82, wherein said at least one fatty alcohol is chosen from C<sub>8</sub> to C<sub>26</sub> fatty alcohols.

84. (Withdrawn) The composition according to claim 82, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

85. (Withdrawn) The composition according to claim 1, wherein said composition further comprises at least one additional fatty material.

86. (Withdrawn) The composition according to claim 1, wherein said composition further comprises castor oil.

87. (Withdrawn) The composition according to claim 1, further comprising at least one gum.

88. (Withdrawn) The composition according to claim 1, further comprising at least one wax.

89. (Withdrawn) The composition according to claim 88, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

90. (Withdrawn) The composition according to claim 1, further comprising at least one oil-soluble polymer.



91. (Withdrawn) The composition according to claim 90, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

92. (Withdrawn) The composition according to claim 90, wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

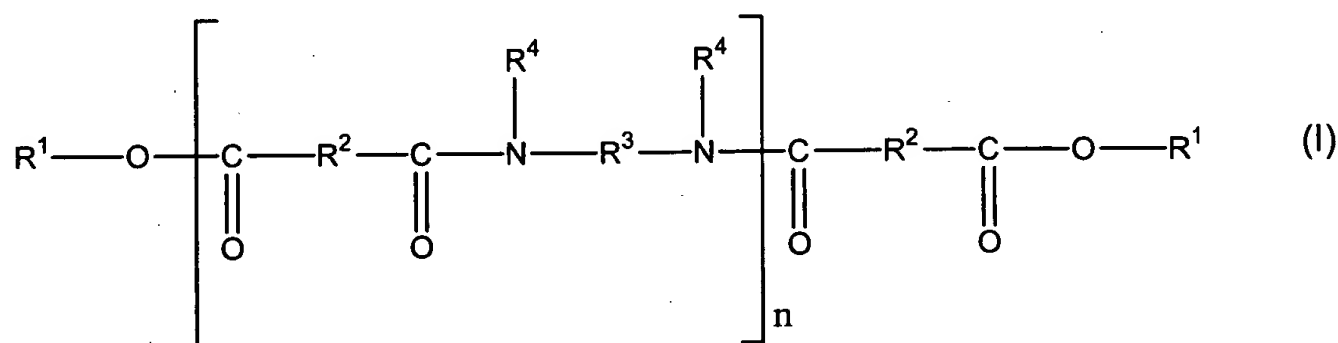
93. (Withdrawn) The composition according to claim 4, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

94. (Withdrawn) The composition according to claim 4, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

95. (Withdrawn) The composition according to claim 4, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms, and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

96. (Withdrawn) The composition according to claim 4, wherein said at least one polyamide polymer has a softening point greater than 50°C.

97. (Withdrawn) The composition according to claim 4, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

98. (Withdrawn) The composition according to claim 4, wherein said composition has a hardness ranging from 30 to 300 g.

99. (Withdrawn) The composition according to claim 4, wherein said at least one liquid fatty phase further comprises at least one oil.

100. (Withdrawn) The composition according to claim 4, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

101. (Withdrawn) The composition according to claim 4, wherein said at least one oil-soluble ester is chosen from propylene glycol ricinoleate, isopropyl hydroxystearate, tri-isocetyl citrate, di-isostearyl malate, octyl hydroxystearate, tri-isoarachidyl citrate, cetyl lactate, dioctyl malate, octyldodecyl hydroxystearate, di-isostearyl malate, and di-isostearyl lactate.

102. (Withdrawn) The composition according to claim 4, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds and fatty amines.



PENDING CLAIMS  
Application No. 10/203,018  
Attorney Docket No. 05725.0816-01000  
Filed: August 5, 2002

Claims 1-121. (Canceled)

121. (Previously presented) The method of making up eyelashes according to claim 114, further comprising a liquid fatty phase structured by said at least one polymer.

122. (Previously presented) A method of making up eyelashes comprising applying to said eyelashes a mascara composition comprising:

- (i) at least one inert filler chosen from at least one of kaolin and PTFE;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (iii) at least one preservative.

123. (Canceled)

124. (Previously presented) The method of making up eyelashes according to claim 122, wherein the mascara composition further comprises silica.

125. (Previously presented) The method of making up eyelashes according to claim 122, further comprising at least one volatile solvent.

126. (Previously presented) The method of making up eyelashes according to claim 125, wherein said at least one volatile solvent is isododecane.

127. (Previously presented) The method of making up eyelashes according to claim 122, further comprising at least one neutralizing agent.

128. (Previously presented) The method of making up eyelashes according to claim 122, further comprising at least one vinylpyrrolidone polymer.

129. (Previously presented) The method of making up eyelashes according to claim 122, further comprising a liquid fatty phase structured by said at least one polymer.

130. (Previously presented) The method of making up eyelashes according to claim 114, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

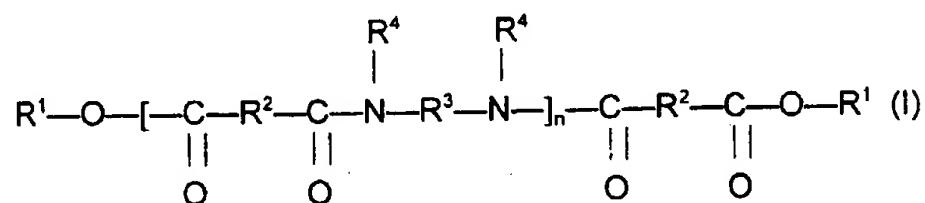


PENDING CLAIMS  
Application No. 10/787,440  
Attorney Docket No. 05725.0816-02000  
Filed: February 27, 2004

Claims 1-113. (Canceled)

114. (Previously presented) A method of making a mascara comprising including in said mascara:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to

$C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

115. (Canceled)

116. (Previously presented) The method of making a mascara according to claim 114, further comprising including silica.

117. (Previously presented) The method of making a mascara according to claim 114, further comprising including at least one volatile solvent.

118. (Previously presented) The method of making a mascara according to claim 117, wherein said at least one volatile solvent is ~~chosen from~~ isododecane.

119. (Previously presented) The method of making a mascara according to claim 114, further comprising including at least one neutralizing agent.

120. (Canceled)

121. (Previously presented) The method of making a mascara according to claim 114, further comprising including a liquid fatty phase structured by said at least one polymer.

122. (Previously presented) A method of making a mascara comprising including in said mascara:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

123. (Canceled)

124. (Previously presented) The method of making a mascara according to claim 122, further comprising including silica.



125. (Previously presented) The method of making a mascara according to claim 122, further comprising including at least one volatile solvent.

126. (Previously presented) The method of making a mascara according to claim 125, wherein said at least one volatile solvent is ~~chosen from~~ isododecane.

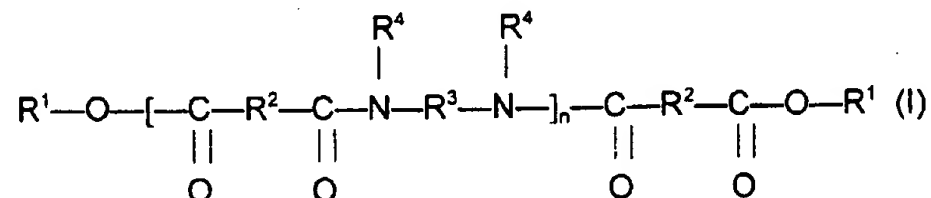
127. (Previously presented) The method of making a mascara according to claim 122, further comprising including at least one neutralizing agent.

128. (Canceled)

129. (Previously presented) The method of making a mascara according to claim 122, further comprising including a liquid fatty phase structured by said at least one polymer.

130. (Previously presented) A method of making a mascara comprising mixing:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

131. (Canceled).

132. (Previously presented) The method of making a mascara according to claim 130, further comprising mixing silica.

133. (Previously presented) The method of making a mascara according to claim 130, further comprising mixing at least one volatile solvent.

134. (Previously presented) The method of making a mascara according to claim 133, wherein said at least one volatile solvent is isododecane.

135. (Previously presented) The method of making a mascara according to claim 130, further comprising mixing at least one neutralizing agent.

136. (Canceled)

137. (Previously presented) The method of making a mascara according to claim 130, further comprising mixing a liquid fatty phase structured by said at least one polymer.

138. (Previously presented) A method of making a mascara comprising mixing:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

139. (Canceled)

140. (Previously presented) The method of making a mascara according to claim 138, further comprising mixing silica.

141. (Previously presented) The method of making a mascara according to claim 138, further comprising mixing at least one volatile solvent.

142. (Previously presented) The method of making a mascara according to claim 141, wherein said at least one volatile solvent is isododecane.

143 (Previously presented) The method of making a mascara according to claim 138, further comprising mixing at least one neutralizing agent.

144. (Canceled)

145. (Previously presented) The method of making a mascara according to claim 138, further comprising mixing a liquid fatty phase structured by said at least one polymer.

146. (Previously presented) A method of making a mascara comprising including in said mascara:

- (i) at least one inert filler chosen from kaolin and PTFE;

- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer

dilinoleate copolymer;

- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

147. (Previously presented) A method of making a mascara comprising mixing:

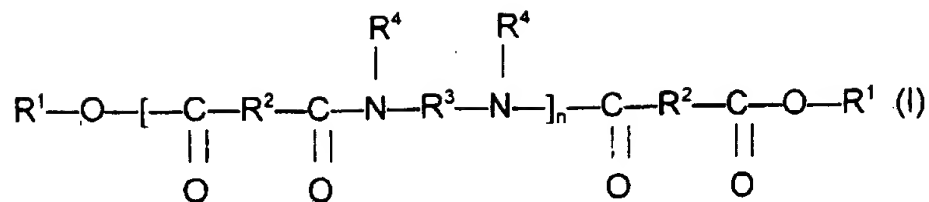
- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer

dilinoleate copolymer;

- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

148. (Previously presented) A method of making a mascara comprising including in said mascara:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

(iii) water; and

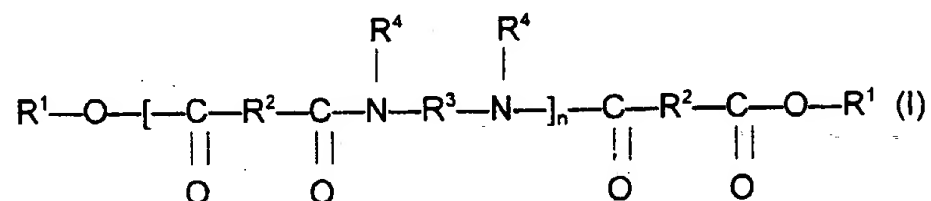
(iv) at least one preservative.

149. (Previously presented) A method of making a mascara according to claim 148, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

150. (Previously presented) A method of making a mascara according to claim 148, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

151. (Previously presented) A method of making a mascara comprising mixing:

- (i) at least one inert filler chosen from kaolin and PTFE;
- (ii) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

(iii) water; and

(iv) at least one preservative.

152. (Previously presented) A method of making a mascara according to claim 151, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

153. (Previously presented) A method of making a mascara according to claim 151, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

154. (Previously presented) A mascara product comprising:

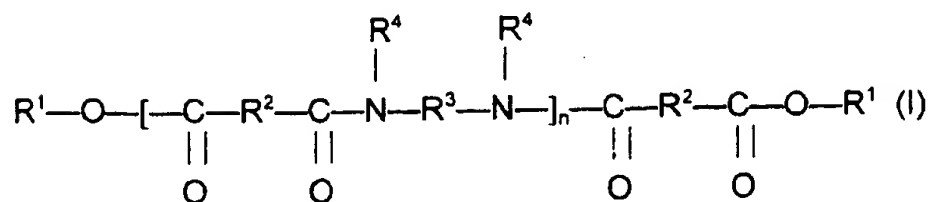
(i) a packaging article;

(ii) a mascara composition comprising:

(a) at least one inert filler chosen from kaolin and PTFE;



(b) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

(c) water;

(d) at least one coloring agent; and

(e) at least one preservative; and

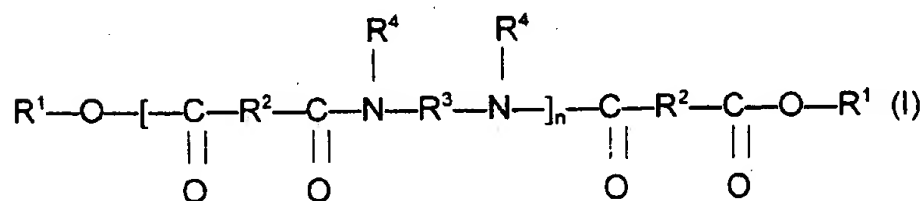
(iii) an apparatus for applying said mascara to eyelashes.

155. (Previously presented) A mascara product according to claim 154, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

156. (Previously presented) A mascara product according to claim 154, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.

157. (Previously presented) A mascara product comprising:

- (i) a packaging article;
- (ii) a mascara composition comprising:
  - (a) at least one inert filler chosen from kaolin and PTFE;
  - (b) at least one polymer chosen from polymers of following formula (I):



in which

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$

hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$

hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

(c) water; and

(d) at least one preservative; and

(iii) an apparatus for applying said mascara to eyelashes.

158. (Previously presented) A mascara product according to claim 157, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

159. (Previously presented) A mascara product according to claim 157, wherein said at least one polymer is chosen from ethylenediamine/stearyl dimer dilinoleate copolymer.



PENDING CLAIMS  
Application No. 10/203,254  
Attorney Docket No. 05725.0817-01000  
Filing or 371(c) Date: December 20, 2002

1. (Original) A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one gelling agent, with the proviso that said at least one gelling agent is not silica, methyl 12-hydroxystearate, 12-hydroxy stearic acid, or stearylalkonium hectorite.
2. (Original) The composition according to claim 1, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.
3. (Original) An anhydrous composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one gelling agent, with the proviso that said at least one gelling agent is not stearylalkonium hectorite.
4. (Original) The composition according to one of claims 1 to 3, wherein said at least one structuring polymer further comprises at least one of:
  - at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and
  - at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

5. (Original) The composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

6. (Original) The composition according to claim 4 or 5, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

7. (Original) The composition according to one of claims 4 to 6, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

8. (Original) The composition according to one of claims 4 to 7, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

9. (Original) The composition according to one of claims 4 to 8, wherein said at least one linking group is chosen from urea, ester, and amine groups.

10. (Original) The composition according to one of claims 4 to 9, wherein said at least one linking group is chosen from ester and amine groups.

11. (Original) The composition according to one of claims 4 to 10, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

12. (Original) The composition according to one of claims 4 to 11, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

13. (Original) The composition according to one of claims 4 to 12, wherein said at least one pendant fatty chain is linked directly to at least one of the hetero atoms of the polymer skeleton.

14. (Original) The composition according to one of claims 4 to 13, wherein said at least one terminal fatty chain is functionalized.

15. (Original) The composition according to one of claims 4 to 14, wherein said at least one pendant fatty chain is functionalized.

16. (Original) The composition according to one of claims 4 to 15, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

17. (Original) The composition according to one of claims 4 to 16, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

18. (Original) The composition according to one of claim 1 to 17, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

19. (Original) The composition according to one of claims 1 to 18, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

20. (Original) The composition according to one of claims 1 to 19, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

21. (Original) The composition according to one of claims 1 to 20, wherein said at least one hydrocarbon-based repeating unit comprises from 2 to 80 carbon atoms.

22. (Original) The composition according to one of claims 1 to 21, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

23. (Original) The composition according to claim 22, wherein said at least one hetero atom is a nitrogen atom.

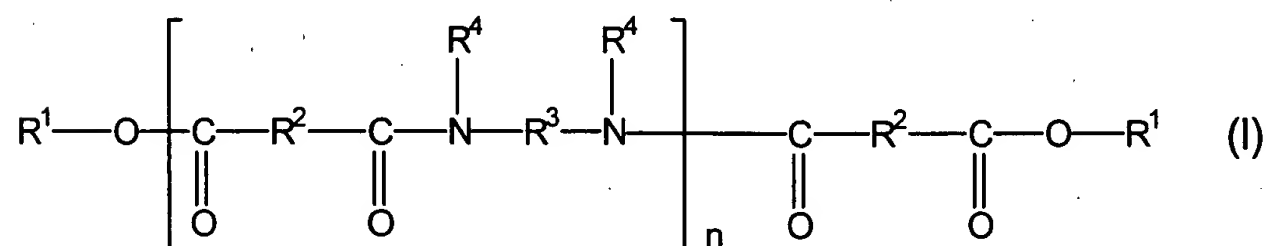
24. (Original) The composition according to one of claims 1 to 23, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

25. (Original) The composition according to claim 24, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

26. (Original) The composition according to claim 24 or 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

27. (Original) The composition according to claim 24 or 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

28. (Original) The composition according to one of claims 1 to 26, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
  - R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
  - R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
  - R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms;
- and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

29. (Original) The composition according to claim 28, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

30. (Original) The composition according to claim 28 or 29, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

31. (Original) The composition according to one of claims 28 to 30, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

32. (Original) The composition according to one of claims 28 to 31, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

33. (Original) The composition according to one of claims 28 to 32, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

34. (Original) The composition according to one of claims 28 to 33, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

35. (Original) The composition according to one of claims 28 to 34, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

36. (Original) The composition according to one of claims 28 to 35, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.



37. (Original) The composition according to one of claims 28 to 36, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

38. (Original) A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit;  
and

(ii) at least one gelling agent, with the proviso that said at least one gelling agent is not silica, methyl 12-hydroxystearate, 12-hydroxy stearic acid, or stearakonium hectorite.

39. (Original) The composition according to claim 38, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

40. (Original) The composition according to claim 39, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

41. (Original) The composition according to claim 39 or 40, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

42. (Original) The composition according to one of claims 39 to 41, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

43. (Original) The composition according to one of claims 39 to 42, wherein said at least one linking group is chosen from single bonds and urea,

urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

44. (Original) The composition according to one of claims 39 to 43, wherein said at least one linking group is chosen from urea, ester, and amine groups.

45. (Original) The composition according to one of claims 39 to 44, wherein said at least one linking group is chosen from ester and amine groups.

46. (Original) The composition according to one of claims 39 to 45, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

47. (Original) The composition according to one of claims 39 to 46, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

48. (Original) The composition according to one of claims 39 to 47, wherein said at least one pendant fatty chain is linked directly to at least one of the nitrogen atoms in the at least one repeating unit of the polymer skeleton.

49. (Original) The composition according to claim 39, wherein said at least one terminal fatty chain is linked to said polymer skeleton via at least one ester group.

50. (Original) The composition according to one of claims 39 to 49, wherein said at least one terminal fatty chain is functionalized.

51. (Original) The composition according to one of claims 39 to 50, wherein said at least one pendant fatty chain is functionalized.

52. (Original) The composition according to one of claims 39 to 51, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

53. (Original) The composition according to one of claims 39 to 52, wherein in said at least one polyamide polymer, the percentage of the total

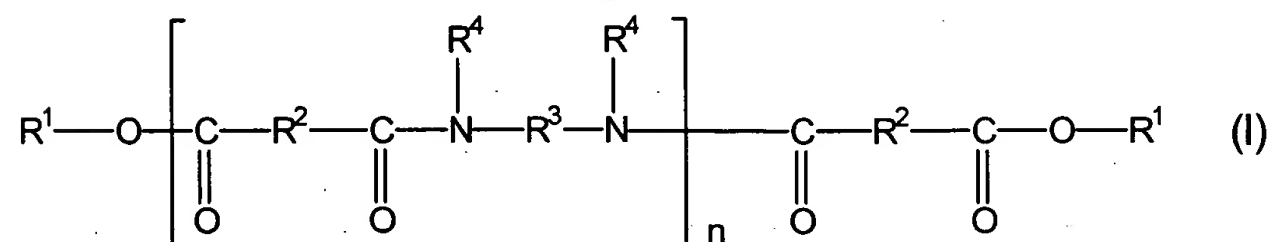
number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

54. (Original) The composition according to one of claims 39 to 53, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

55. (Original) The composition according to one of claims 39 to 54, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 50,000.

56. (Original) The composition according to one of claims 39 to 55, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 1000 to 30,000.

57. (Original) The composition according to one of claims 39 to 56, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

58. (Original) The composition according to claim 57, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

59. (Original) The composition according to claim 57 or 58, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

60. (Original) The composition according to one of claims 57 to 59, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

61. (Original) The composition according to one of claims 57 to 60, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

62. (Original) The composition according to one of claims 57 to 61, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

63. (Original) The composition according to one of claims 57 to 62, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

64. (Original) The composition according to one of claims 57 to 63, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

65. (Original) The composition according to one of claims 57 to 64, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

66. (Original) The composition according to one of claims 57 to 65, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

67. (Original) The composition according to one of claims 58 to 66, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one acid chosen from dicarboxylic acids comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

68. (Original) The composition according to claim 67, wherein said dicarboxylic acids comprise from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

69. (Original) The composition according to one of claims 67 to 68, wherein said dicarboxylic acids are chosen from dimers of fatty acids chosen from oleic acid, linoleic acid and linolenic acid.

70. (Original) The composition according to one of claims 67 to 69, wherein said at least one amine is chosen from diamines comprising ethylenediamine, hexylenediamine, hexamethylenediamine, and phenylenediamine and from triamines comprising ethylenetriamine.

71. (Original) The composition according to one of claims 38 to 70, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

72. (Original) The composition according to claim 71, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

73. (Original) The composition according to one of claim 1 to 72, wherein said at least one polyamide polymer has a softening point greater than 50°C.

74. (Original) The composition according to one of claims 1 to 73, wherein said at least one polyamide polymer has a softening point is less than 150°C.

75. (Original) The composition according to one of claims 1 to 74, wherein said at least one polyamide polymer has a softening point ranging from 70°C to 130°C.

76. (Original) The composition according to one of claims 1 to 75, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

77. (Original) The composition according to one of claims 1 to 76, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

78. (Original) The composition according to one of claims 1 to 77, wherein said composition has a hardness ranging from 30 to 300 gf.

79. (Original) The composition according to one of claims 1 to 78, wherein said composition has a hardness ranging from 30 to 250 gf.

80. (Original) The composition according to one of claims 1 to 79, wherein said at least one liquid fatty phase of the composition comprises at least one oil chosen from at least one polar oil and at least one apolar oil having an affinity with the least one structuring polymer.

81. (Original) The composition according to claim 80, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_6$  is chosen from hydrocarbon-based chain containing from 1 to 40 carbon atoms, with the proviso that  $R_5 + R_6 \geq 10$ ;
- synthetic ethers containing from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

82. (Original) The composition according to claim 80, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

83. (Original) The composition according to one of claims 1 to 82, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

84. (Original) The composition according to one of claims 1 to 83, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

85. (Original) The composition according to one of claims 1 to 84, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

86. (Original) The composition according to one of claims 1 to 85, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

87. (Original) The composition according to one of claims 1 to 86, wherein said at least one gelling agent is chosen from gelling agents in polymeric form and gelling agents in mineral form.

88. (Original) The composition according to one of claims 1 to 87, wherein the at least one gelling agent is chosen from optionally modified clays, partially and totally crosslinked elastomeric polyorganosiloxanes, galactomannans comprising from 1 to 6 hydroxyl groups per saccharide, substituted with a saturated or unsaturated alkyl chain, ethylcellulose, silicone gums and block copolymers.

89. (Original) The composition according to claim 88, wherein said galactomannans comprise from 2 to 4 hydroxyl groups per saccharide.

90. (Original) The composition according to one of claims 1 to 89, wherein said at least one gelling agent is in mineral form with particle sizes that cause little or no light scattering.

91. (Original) The composition according to claim 90, wherein said at least one gelling agent is fumed silica.

92. (Original) The composition according to one of claims 1 to 91, wherein said at least one gelling agent is present in an amount ranging from 0.05% to 35% by weight relative to the total weight of the composition.

93. (Original) The composition according to one of claims 1 to 92, wherein said at least one gelling agent is present in an amount ranging from 0.5 % to 20 % by weight relative to the total of the composition.

94. (Original) The composition according to one of claims 1 to 92, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance of less than 12.

95. (Original) The composition according to claim 93, wherein said hydrophilic/lipophilic balance value ranges from 1 to 8.

96. (Original) The composition according to claim 94 or 95, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a



polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.

97. (Original) The composition according to one of claims 94 to 96, wherein said at least one amphiphilic compound is present in an amount ranging from 0.1% to 35% by weight relative to the total weight of the composition.

98. (Original) The composition according to one of claims 94 to 97, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 20% by weight relative to the total weight of the composition.

99. (Original) The composition according to one of claims 1 to 98, further comprising at least one additional additive chosen from antioxidants, essential oils, preserving agents, fragrances, fillers, waxes, fatty compounds that are pasty at room temperature, neutralizing agents, gums, liposoluble polymers and polymers that are dispersible in a lipophilic medium, cosmetic and dermatological active agents, dispersants, and an aqueous phase containing water that is optionally thickened or gelled with an aqueous-phase thickener or gelling agent and optionally water-miscible compounds.

100. (Original) The composition according to one of claims 1 to 99, further comprising at least one coloring agent.

101. (Original) The composition according to one of claims 1 to 100, wherein said at least one coloring agent is chosen from lipophilic dyes, hydrophilic dyes, pigments and naces.

102. (Original) The composition according to one of claims 100 to 101, wherein said at least one coloring agent is present in a proportion of from 0.01% to 50% relative to the total weight of the composition.

103. (Original) The composition according to one of claims 1 to 102, wherein said composition is a solid.

104. (Original) The composition according to one of claims 1 to 103, wherein said composition is a solid chosen from molded and poured sticks.

105. (Original) The composition according to one of claims 1 to 104, wherein said composition is in the form of a rigid gel.

106. (Original) The composition according to one of claims 1 to 105, wherein said composition further comprises at least one wax.

107. (Original) The composition according to claim 106, wherein said at least one wax is chosen from beeswax, carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fibre wax, sugar cane wax, paraffin wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, ozokerites and hydrogenated oils, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, and silicone waxes.

108. (Original) The composition according to one of claims 1 to 107, wherein said composition is in the form of an anhydrous stick.

109. (Original) A mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, an eyeshadow, a face powder, a concealer product, a shampoo, a conditioner, an antisen product or a care product for the skin, lips, or hair comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, blusher, lipstick, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product, shampoo, conditioner, antisen product or care product for the skin, lips, or hair which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent.

110. (Original) A deodorant product or a care product for the skin or body comprising an anhydrous composition comprising at least one liquid fatty phase in said product which comprises :

(i) at least one structuring polymer comprising

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent, wherein said gelling agent is not silica, methyl 12-hydroxystearate, or 12-hydroxy stearic acid.

111. (Original) A care and/or treatment and/or make-up composition for

keratinous fibers, lips or skin comprising at least one liquid fatty phase in said care and/or treatment and/or make-up composition for keratinous fibers, lips or skin which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent.

112. (Original) A care and/or treatment and/or make-up composition for keratin materials comprising a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent, wherein said at least one gelling agent is not stearalkonium hectorite.

113. (Original) A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one gelling agent and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100 000, said continuous liquid fatty phase, said at least one gelling agent and said at least one non-waxy structuring polymer being present in said lipstick composition.

114. (Original) A method for care, make-up or treatment of keratin materials comprising applying to said keratin materials a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent, wherein said at least one gelling agent is not stearalkonium hectorite.

115. (Original) A method for care, make-up or treatment of keratinous fibers, lips, or skin comprising applying to said keratinous fibers, lips, or skin a composition comprising at least one liquid fatty phase which comprises :

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent.

116. (Original) A method for providing an anhydrous composition having at least one property chosen from non-exudation, gloss, and comfortable deposit on keratin materials chosen from lips, skin, and keratinous fibers, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one gelling agent.

117. (Original) A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one chain chosen from :

(i) terminal fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, and

(ii) pendant fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters,

wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups, and further comprising at least one gelling agent.

118. (Original) A make up or care or treatment composition for the skin, the lips, or keratinous fibers comprising a structured composition comprising at

least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one gelling agent, and at least one coloring agent.

119. (Original) A method of making up or caring for skin, lips, or keratinous fibers comprising applying to said skin, lips, or keratinous fibers a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom and at least one gelling agent.

120. (Original) A composition comprising at least one liquid fatty phase which comprises :

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least three hydrocarbon-based repeating units comprising at least one hetero atom; and

(ii) at least one gelling agent, wherein said gelling agent is not silica, methyl 12-hydroxystearate, or 12-hydroxy stearic acid.

121. (Original) A composition according to claim 120, wherein said at least three hydrocarbon-based repeating units are identical.

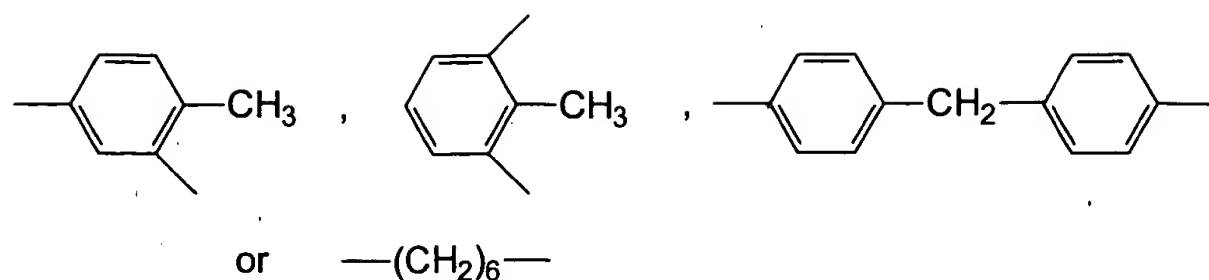
122. (Original) A composition comprising at least one liquid fatty phase which comprises :

(i) at least one structuring polymer chosen from urea urethanes having the following formula:

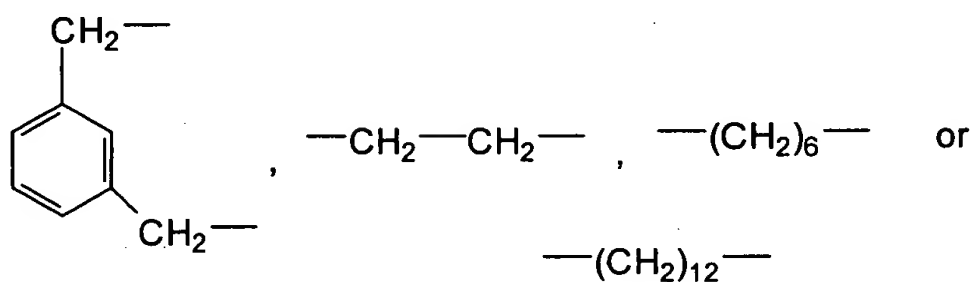
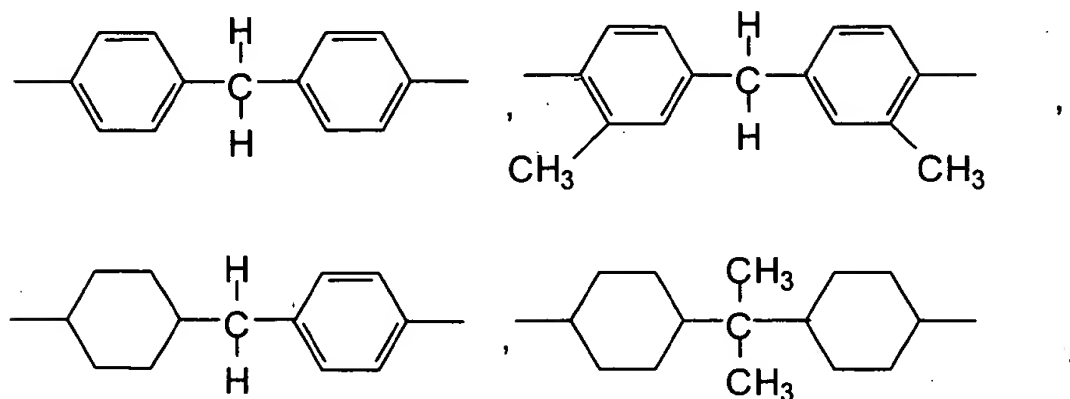


wherein R represents  $\text{C}_n\text{H}_{2n+1}-$ , wherein n represents an integer having a value greater than 22 or  $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$ , wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10.

R' represents:



and  $R''$  represents:



; and

(ii) at least one gelling agent

123. (Original) The composition according to one of claims 4 to 26, wherein said at least one terminal fatty chain is linked to the polymer skeleton via at least one ester group.

124. (Original) A composition comprising at least one liquid fatty phase which comprises:

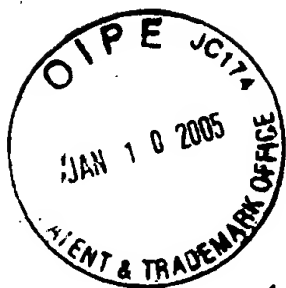
(i) at least one structuring polymer comprising :

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and at least one of:

- at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

- at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one gelling agent.



Pending Claims  
Application No. 10/129,377  
Attorney Docket No. 05725.0819-01  
Filed: May 3, 2002

1. An anhydrous composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising :  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one organogelator.
2. A composition comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising :  
a polymer skeleton which comprises at least three hydrocarbon-based repeating units comprising at least one hetero atom; and
  - (ii) at least one organogelator.
3. A structured composition comprising at least one liquid fatty phase which comprises :
  - (i) at least one structuring polymer comprising :  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one organogelator, wherein said organogelator is not methyl-12-hydroxystearate.



4. The composition according to claim 2 or 3, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

5. The composition according to one of claims 1 to 4, wherein said at least one structuring polymer further comprises at least one of :

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

6. The composition according to claim 5, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

7. The composition according to one of claims 5 to 6, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

8. The composition according to one of claims 5 to 7, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

9. The composition according to one of claims 5 to 8, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

10. The composition according to one of claims 5 to 9, wherein said at least one linking group is chosen from urea, ester, and amine groups.

11. The composition according to one of claims 5 to 10, wherein said at least one linking group is chosen from ester and amine groups.

12. The composition according to one of claims 5 to 11, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

13. The anhydrous composition according to one of claims 5 to 12, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

14. The composition according to one of claims 5 to 13, wherein said at least one terminal fatty chain is functionalized.

15. The composition according to one of claims 5 to 14, wherein said at least one pendant fatty chain is functionalized.

16. The composition according to one of claims 5 to 15, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

17. The composition according to one of claims 5 to 16, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

18. The composition according to one of claims 1 to 17, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

19. The composition according to one of claims 1 to 18, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

20. The composition according to one of claims 1 to 19, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

21. The composition according to one of claims 1 to 20, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

22. The composition according to one of claims 1 to 21, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

23. The composition according to claim 22, wherein said at least one hetero atom is a nitrogen atom.

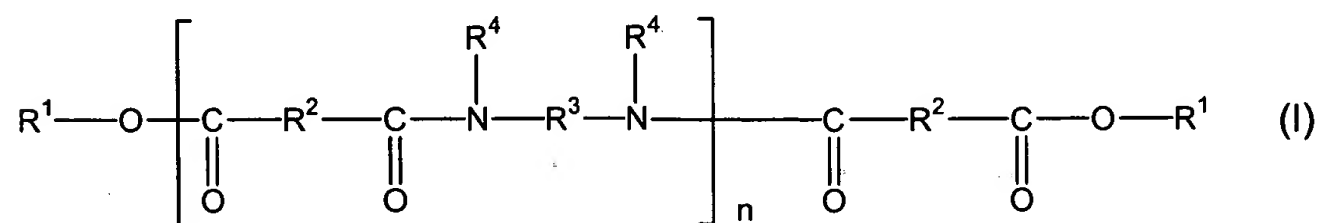
24. The composition according to one of claims 1 to 23, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

25. The composition according to claim 24, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

26. The composition according to claim 24 or 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

27. The composition according to claim 24 or 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from polyurethane skeletons, polyurea skeletons, and polyurethane-polyurea skeletons.

28. The composition according to one of claims 1 to 26, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

29. The composition according to claim 28, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

30. The composition according to claim 28 or 29, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

31. The composition according to one of claims 28 to 30, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

32. The composition according to one of claims 28 to 31, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

33. The anhydrous composition according to one of claims 28 to 32, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

34. The composition according to one of claims 28 to 33, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

35. The composition according to one of claims 28 to 34, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

36. The composition according to one of claims 28 to 35, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

37. The composition according to one of claims 28 to 36, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

38. The composition according to one of claims 1 to 37, wherein said at least one structuring polymer has a softening point greater than 50°C.

39. The composition according to one of claims 1 to 38, wherein said at least one structuring polymer has a softening point less than 150°C.

40. The composition according to one of claims 1 to 39, wherein said at least one structuring polymer has a softening point ranging from 70°C to 130°C.

41. The composition according to one of claims 1 to 40, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.



42. The composition according to one of claims 1 to 41, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

43. The composition according to one of claims 1 to 42, wherein said composition has a hardness ranging from 30 to 300 gf (294 N to 2 940 N).

44. The composition according to one of claims 1 to 43, wherein said composition has a hardness ranging from 30 to 250 gf (294 N to 2 450 N).

45. The composition according to one of claims 1 to 44, wherein said at least one liquid fatty phase of the composition further comprises at least one oil which is chosen from at least one polar oil and at least one apolar oil having an affinity with said at least one structuring polymer and/or with said at least one organogelator.

46. The composition according to claim 45, wherein said at least one polar oil is chosen from :

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains possibly being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_6$  is chosen from hydrocarbon based chain containing from 1 to 40 carbon atoms with the proviso that  $R_5 + R_6 \geq 10$ ;
- synthetic ethers comprising from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

47. The composition according to claim 45, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each comprising from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

48. The composition according to one of claims 1 to 47, wherein said at least one liquid fatty phase further comprises at least one non-volatile oil.

49. The composition according to one of claims 1 to 48, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

50. The composition according to one of claims 1 to 49, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

51. The composition according to one of claims 1 to 50, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

52. The composition according to one of claims 1 to 51, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising at least one group chosen from alkyl and alkoxy groups that are pendant and/or at the end of a silicone chain.

53. The composition according to one of claims 1 to 52, wherein said composition further comprises at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

54. The composition according to one of claims 1 to 53, wherein said at least one organogelator is chosen from non-polymeric organic compounds whose molecules are capable of establishing, between themselves, at least one physical interaction leading to a self-aggregation of said molecules with formation of a macromolecular 3-dimensional network.

55. The composition according to claim 54, wherein said at least one physical interaction is chosen from self-complementary hydrogen interactions, interactions between unsaturated rings, dipolar interactions, and coordination bonding with organometallic derivatives.

56. The composition according to one of claims 1 to 55, wherein said at least one organogelator is chosen from compounds whose molecules comprise at least one entity chosen from at least one group capable of establishing hydrogen bonding; at least one aromatic ring; at least one bond comprising ethylenic unsaturation; and at least one asymmetric carbon.

57. The composition according to one of claims 1 to 56, wherein said at least one organogelator is a compound whose molecules comprise at least two groups capable of establishing hydrogen bonding.

58. The composition according to claim 57, wherein said at least one group capable of establishing hydrogen bonding is chosen from hydroxyl, carbonyl, amine, carboxylic acid, amide and benzyl groups.

59. The composition according to one of claims 1 to 58, wherein said at least one organogelator is chosen from :

- hydroxylated carboxylic fatty acids comprising a chain chosen from linear and branched aliphatic carbon chains and salts thereof chosen from alkali metal and alkaline earth metal salts and esters thereof;
- carboxylic acid amides;
- amino acid amides and esters;
- N-acylamino acid amides;
- diamides having hydrocarbon-based chains, each containing from 1 to 22 carbon atoms, optionally substituted with at least one substituent chosen from ester, urea and fluoro groups;
- steroid amines and amides and salts thereof;
- compounds comprising several aromatic rings;
- azobenzene steroids;
- organometallic compounds;
- surfactants in salt form comprising at least two chains chosen from linear and branched alkyl chains;
- benzylidene sorbitols and alditols and derivatives thereof;
- cyclodipeptides which are cyclic condensates of two amino acids;

- cyclic compounds and alkylene compounds comprising two urea or urethane groups;
- alkylaryl cyclohexanol derivatives;
- callixarenes;
- associations of 2,4,6-tri-aminopyrimidine substituted by an alkyl chain and dialkyl barbituric acid,
- gluconamides derivatives,
- bis oxyalyl amides of aminoacides,
- amide and urea derivatives of lysine ester,
- derivatives from benzene diamides of dicarboxylic acid,
- monoalkyloxamides,
- bola-amphiphile with 1-glucosamide head,
- bola-amphiphile amide derivatives,
- alkyl-2-amonium-2-isobutylacetate p-toluene sulfonate
- cellobiose fatty esters
- diamides with terminal hydrocarbon-based chain having 6 to 60 carbon atoms.

60. The composition according to claim 59, wherein in said hydroxylated carboxylic fatty acids, said chain comprises a carbon chain having at least 8 carbon atoms.

61. The composition according to claim 59, wherein said carboxylic acid amides are chosen from tricarboxylic acid amides.

62. The composition according to claim 61, wherein said tricarboxylic acid amides are chosen from cyclohexanetricarboxamides.

63. The composition according to claim 59, wherein said N-acylamino acid amides are chosen from diamides resulting from the action of an N-acylamino acid with an amine comprising from 1 to 22 carbon atoms.

64. The composition according to claim 59, wherein said hydrocarbon-based chains of said diamides having hydrocarbon-based chains comprising from 1 to 22 carbon atoms contain from 6 to 18 carbon atoms.

65. The composition according to claims one of 1 to 59, wherein said at least one organogelator is chosen from N-acylamino acid amides, cyclohexane tricarboxamides and diamines having hydrocarbon-based chains, each chain containing from 1 to 22 carbon atoms, optionally substituted with at least one substituent chosen from ester, urea and fluoro groups;

66. The composition according to one of claims 1 to 59, wherein said at least one organogelator is chosen from compounds of formula (II) below:



in which:

- R and R', which may be identical or different, are each chosen from a hydrogen atom and hydrocarbon-based chains chosen from saturated linear, saturated branched, saturated cyclic, unsaturated linear, unsaturated branched and unsaturated cyclic hydrocarbon-based chains comprising from 1 to 22 carbon atoms, said hydrocarbon-based chains being optionally substituted with at least one group chosen from an aryl -C<sub>6</sub>H<sub>5</sub>, an ester -COOR", an amide -CONHR", a urethane -OCONHR" and a urea -NHCONHR", wherein R" is an alkyl group comprising from 2 to 12 carbon atoms; and/or said hydrocarbon-based chains optionally comprise from 1 to 3 hetero atoms chosen from O, S and N; and/or said hydrocarbon-based chains optionally are substituted with from 1 to 4 halogen atoms and/or with from 1 to 3 hydroxyl radicals, with the proviso that at least one of R and R' is other than hydrogen; and

- A is chosen from saturated and unsaturated, linear, cyclic and branched hydrocarbon-based chains comprising from 1 to 18 carbon atoms, optionally substituted with at least one group chosen from an aryl -C<sub>6</sub>H<sub>5</sub>, an ester -COOR", an amide -CONHR", a urethane -OCONHR" and a urea -NHCONHR" wherein R" is an alkyl comprising from 2 to 12 carbon atoms; and/or optionally comprising from 1 to 3 hetero atoms chosen from O, S and N; and/or optionally substituted with from 1 to 4 halogen atoms and/or with from 1 to 3 hydroxyl radicals.

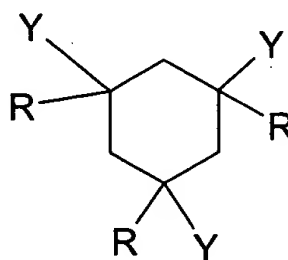
67. The composition according to one of claims 1 to 59, wherein said at least one organogelator is chosen from :

- N, N'-bis(dodecanoyl)-1,2-diaminocyclohexane,



- N, N'-bis(dodecanoyl)-1,3-diaminocyclohexane,
- N, N'-bis(dodecanoyl)-1,4-diaminocyclohexane,
- N, N'-bis(dodecanoyl)-1,2-ethylenediamine,
- N, N'-bis(dodecanoyl)-1-methyl-1,2-ethylenediamine,
- N, N'-bis(dodecanoyl)-1,3-diaminopropane,
- N, N'-bis(dodecanoyl)-1,12-diaminododecane,
- N, N'-bis(dodecanoyl)-3,4-diaminotoluene,

68. The composition according to one of claims 1 to 59, wherein said at least one organogelator is chosen from compounds of formula (III):



in which:

- R is identical or different and each is chosen from a hydrogen atom, saturated linear hydrocarbon-based chains, and saturated branched hydrocarbon-based chains, wherein said hydrocarbon-based chains comprise from 1 to 6 carbon atoms;
- Y is identical or different and each is chosen from the following groups: -CO-S-R'; -CO-NHR'; -NH-COR' and -S-COR'; in which R' is identical or different and each is chosen from:
  - a hydrogen atom,
  - aryl groups,

- aralkyl groups, and
- saturated hydrocarbon-based chains chosen from linear, branched and cyclic hydrocarbon-based chains comprising from 1 to 22 carbon atoms, optionally substituted with at least one group chosen from aryl, ester, amide and urethane groups; and/or optionally comprising at least one hetero atom chosen from O, S and N; and/or optionally substituted with at least one fluorine atom and/or hydroxyl radical.

69. The composition according to claim 68, wherein in said formula (III), each R is a hydrogen atom.

70. The composition according to claim 68 or 69, wherein in said formula (III), each Y is chosen from the groups -CO-NHR' and -NH-COR'.

71. The composition according to one of claims 68 to 70, wherein in said formula (III), R' is chosen from aryl groups; aralkyl groups, wherein the alkyl portion is chosen from linear and branched alkyl chains comprising 12-16 carbon atoms; and linear and branched C<sub>12</sub>-C<sub>18</sub> alkyl chains.

72. The composition according to one of claims 68 to 71, wherein said at least one organogelator is chosen from :

- cis-1,3,5-tris(dodecylaminocarbonyl)cyclohexane,
- cis-1,3,5-tris(octadecylaminocarbonyl)cyclohexane,

- cis-1,3,5-tris[N-(3,7-dimethyloctyl)-aminocarbonyl]cyclohexane;
- trans-1,3,5-trimethyl-1,3,5-tris(dodecylaminocarbonyl)cyclohexane, and
- trans-1,3,5-trimethyl-1,3,5-tris(octadecylaminocarbonyl)cyclohexane.

73. The composition according to one of claims 1 to 72, wherein said at least one organogelator is present in an amount ranging from 0.1% to 80% by weight relative to the total weight of the composition.

74. The composition according to one of claims 1 to 73, wherein said at least one organogelator is present in an amount ranging from 0.5% to 60% by weight relative to the total weight of the composition.

75. The composition according to one of claims 1 to 74, wherein said composition is a solid.

76. The composition according to one of claims 1 to 75, wherein said composition is a solid chosen from molded and poured sticks.

77. The composition according to one of claims 1 to 76, wherein said at least one organogelator and/or said at least one structuring polymer have an affinity with a chemical portion of one of the oils forming the liquid fatty phase of the composition so that hydrogen bonds with the oils are formed.

78. The composition according to one of claims 1 to 77, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance value of less than 12.

79. The composition according to claim 78, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.

80. The composition according to one of claims 78 or 79, wherein said at least one amphiphilic compound is present in an amount ranging from 0.1% to 35% by weight relative to the total weight of the composition.

81. The composition according to one of claims 78 to 80, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 20% by weight relative to the total weight of the composition.

82. The composition according to one of claims 1 to 81, further comprising at least one additional rheological agent.

83. The composition according to claim 82, wherein said at least one additional rheological agent is chosen from waxes, polymeric gelling agents and mineral gelling agents for the liquid fatty phase.

84. The composition according to one of claims 1 to 83, further comprising at least one additional additive chosen from antioxidants, essential oils, preserving agents, fragrances, fillers, fatty compounds that are pasty at room temperature, neutralizing agents, gums, liposoluble polymers and polymers that are dispersible in a lipophilic medium, cosmetic and dermatological active agents, dispersants, and an aqueous phase comprising water that is optionally thickened or gelled with an aqueous-phase thickener or gelling agent and optionally water-miscible compounds.

85. The composition according to one of claims 1 to 84, further comprising at least one coloring agent.

86. The composition according to claim 85, wherein said at least one coloring agent is chosen from pigments.

87. The composition according to claims 85 or 86, wherein said at least one coloring agent is present in a proportion of from 0.01% to 50% relative to the total weight of the composition.

88. The composition according to one of claims 1 to 87, wherein said composition is in the form of a rigid gel.

89. The composition according to one of claims 1 to 88, wherein said composition is in the form of an anhydrous stick.

90. The composition according to one of claims 1 to 89, wherein said composition further comprises at least one wax.

91. The composition according to claim 90, wherein said at least one wax is chosen from beeswax, carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, ozokerites and hydrogenated oils, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, and silicone waxes.

92. An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit;  
and

(ii) at least one organogelator.

93. The anhydrous composition according to claim 92, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one

polycondensation reaction between at least one acid chosen from dicarboxylic acids comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

94. The anhydrous composition according to claim 93, wherein said dicarboxylic acids comprise from 32 to 44 carbon atoms and said amines comprise from 2 to 36 carbon atoms.

95. The anhydrous composition according to claims 93 or 94, wherein said dicarboxylic acids are chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

96. The anhydrous composition according to claim 95, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

97. The anhydrous composition according to one of claims 93 to 96, wherein said diamines are chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, and phenylenediamine and said triamines are chosen from ethylenetriamine.

98. The anhydrous composition according to one of claims 92 to 97, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

99. The anhydrous composition according to claim 98, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

100. The anhydrous composition according to one of claims 92 to 99, wherein said at least one organogelator and/or said at least one structuring polymer have an affinity with a chemical portion of one of the oils forming the liquid fatty phase of the composition so that hydrogen bonds with the oils are formed.

101. The anhydrous composition according to one of claims 92 to 100, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance value of less than 12.

102. The anhydrous composition according to claim 101, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.



103. The anhydrous composition according to one of claims 92 to 102, wherein said at least one liquid fatty phase of the composition, further comprises at least one oil.

104. The anhydrous composition according to one of claims 92 to 103, further comprising at least one additional rheological agent.

105. The anhydrous composition according to claim 104, wherein said at least one additional rheological agent is chosen from waxes, polymeric gelling agents and mineral gelling agents for the liquid fatty phase.

106. The anhydrous composition according to one of claims 92 to 105, further comprising at least one coloring agent.

107. The anhydrous composition according to one of claims 92 to 116, wherein said composition is in the form of a rigid gel.

108. The anhydrous composition according to one of claims 92 to 107, wherein said composition is in the form of an anhydrous stick.

109. The composition according to one of claims 1 to 108, wherein said composition further comprises at least one additional rheological agent, wherein said at least one additional rheological agent is hydrophobic-treated fumed silica.

110. The composition according to one of claims 92 to 109, wherein said composition further comprises at least one wax.

111. A mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, a nail composition, an eyeshadow, a face powder, a concealer product, a shampoo, a conditioner, an antisen product or a care product for the lips, hair or nails comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, lipstick, blusher, make-up-removing product, make-up product for the body, nail composition, eyeshadow, face powder, concealer product, shampoo, conditioner, antisen product or care product for the lips, hair or nails, which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

112. A deodorant product or a care product for the skin or body comprising an anhydrous composition comprising at least one liquid fatty phase in said product which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

113. A care and/or treatment and/or make-up composition for keratin materials comprising an anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

114. A care and/or treatment and/or make-up composition for keratinous fibers, lips or skin comprising at least one liquid fatty phase in said care and/or treatment and/or make-up composition for keratinous fibers, lips or skin which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

115. A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one organogelator for the fatty phase and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100 000, said continuous liquid fatty phase, said at least one organogelator

for the fatty phase and said at least one non-waxy structuring polymer being present in said lipstick composition.

116. A method for care, make-up or treatment of keratin materials comprising applying to said keratin materials an anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

117. A method for care, make-up or treatment of keratinous fibers, lips, or skin comprising applying to said keratinous fibers, lips, or skin a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

118. A method for providing an anhydrous composition having at least one property chosen from a solid appearance, non-exudation, shear-strength, gloss, and comfortable deposit on keratin materials chosen from lips, skin, and

keratinous fibers, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator.

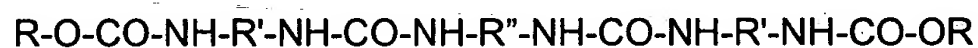
119. An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one organogelator,

wherein said at least one structuring polymer is a compound of formula XVII :



wherein R represents  $\text{C}_n\text{H}_{2n+1}-$  or  $\text{C}_m\text{H}_{2m+1}(\text{C}_p\text{H}_{2p}\text{O})_r-$ ; n represents an integer having a value of from 4 to 22; m represents an integer having a value of from 1 to 18; p represents an integer having a value of from 2 to 4; and r represents an integer having a value of from 1 to 10;

R' represents:



(i) terminal fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, and

(ii) pendant fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters,

wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups, and further comprising at least one organogelator.

121. A make up or care or treatment composition for the skin, the lips, or keratinous fibers comprising a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one organogelator able to gel the liquid fatty phase, and at least one coloring agent.

122. A method of making up or caring for skin, lips, or keratinous fibers comprising applying to said skin, lips, or keratinous fibers a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom and at least one organogelator able to gel the liquid fatty phase.

123. An anhydrous composition according to one of claims 1 to 118, wherein said at least three hydrocarbon-based repeating units are identical.

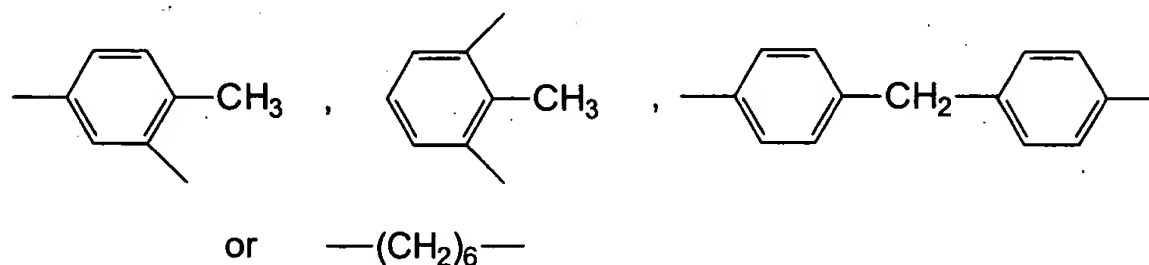
124. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from urea urethanes having the following formula XVI :



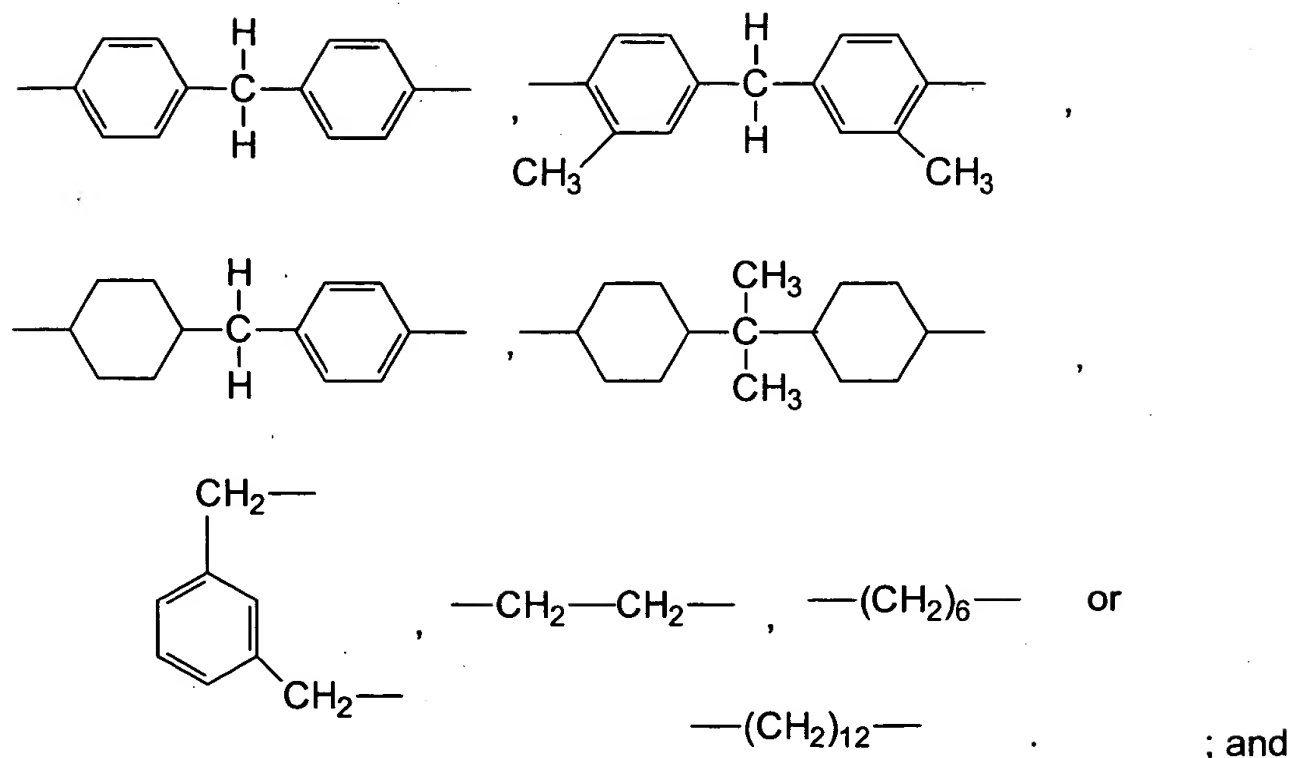
wherein R represents  $\text{C}_n\text{H}_{2n+1}-$ , wherein n represents an integer having a value greater than 22 or  $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$ , wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10.

R' represents:



and R'' represents:





(ii) at least one organogelator.

125. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom with the proviso that said at least one hetero atom is not nitrogen; and

(ii) at least one organogelator.

126. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises a) at least one hydrocarbon-based repeating unit comprising at least one hetero atom and b) at least one of:

- at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

- at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one organogelator.



PENDING CLAIMS  
Application No. 09/749,036  
Attorney Docket No. 05725.0832-00000  
Filed: December 28, 2000

1. An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

2. The anhydrous composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

3. The anhydrous composition according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

4. The anhydrous composition according to claim 3, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

5. The anhydrous composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

6. The anhydrous composition according to claim 2, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether, perfluoro, carboxylic acid, hydroxyl, polyol, amide, phosphoric acid, phosphate, carbamate, thiol and amine groups.

7. The anhydrous composition according to claim 6, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

8. The anhydrous composition according to claim 7, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

9. The anhydrous composition according to claim 6, wherein said at least one linking group is chosen from urea, ester, and amine groups.

10. The anhydrous composition according to claim 9, wherein said at least one linking group is chosen from ester and amine groups.

11. The anhydrous composition according to claim 2, wherein said at least one terminal fatty chain is functionalized.

12. The anhydrous composition according to claim 2, wherein said at least one pendant fatty chain is functionalized.

13. The anhydrous composition according to claim 2, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

14. The anhydrous composition according to claim 13, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

15. The anhydrous composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

16. The anhydrous composition according to claim 15, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

17. The anhydrous composition according to claim 16, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

18. The anhydrous composition according to claim 17, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.

19. The anhydrous composition according to claim 18, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.

20. The anhydrous composition according to claim 1, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

21. The anhydrous composition according to claim 20, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.

22. The anhydrous composition according to claim 1, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

23. The anhydrous composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

24. The anhydrous composition according to claim 23, wherein said at least one hetero atom is a nitrogen atom.

25. The anhydrous composition according to claim 23, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

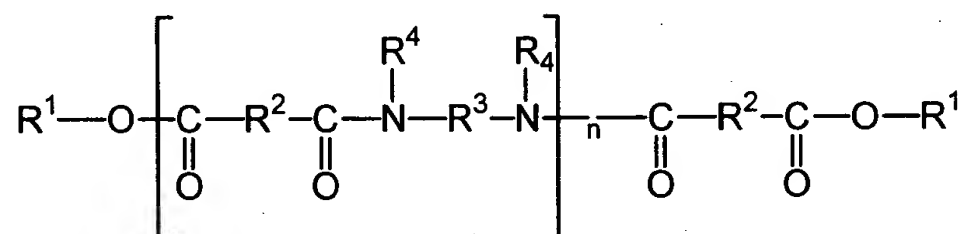
26. The anhydrous composition according to claim 25, wherein said at least one hetero atom group further comprises a carbonyl group.

27. The anhydrous composition according to claim 25, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

28. The anhydrous composition according to claim 27, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

29. The anhydrous composition according to claim 27, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from polyurethane skeletons, polyurea skeletons, and polyurethane-polyurea skeletons.

30. The anhydrous composition according to claim 1, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

31. The anhydrous composition according to claim 30, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

32. The anhydrous composition according to claim 31, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.

33. The anhydrous composition according to claim 30, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

34. The anhydrous composition according to claim 33, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

35. The anhydrous composition according to claim 34, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

36. The anhydrous composition according to claim 30, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

37. The anhydrous composition according to claim 36, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

38. The anhydrous composition according to claim 30, wherein in said formula (I),  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

39. The anhydrous composition according to claim 38, wherein  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

40. The anhydrous composition according to claim 39, wherein in said formula (I),  $R^4$ , which are identical or different, are each chosen from hydrogen atoms.

41. The anhydrous composition according to claim 30, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

42. The anhydrous composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than  $50^\circ\text{C}$ .

43. The anhydrous composition according to claim 42, wherein said at least one structuring polymer has a softening point ranging from  $65^\circ\text{C}$  to  $190^\circ\text{C}$ .

44. The anhydrous composition according to claim 43, wherein said at least one structuring polymer has a softening point ranging from  $70^\circ\text{C}$  to  $130^\circ\text{C}$ .

45. The anhydrous composition according to claim 44, wherein said at least one structuring polymer has a softening point ranging from  $80^\circ\text{C}$  to  $105^\circ\text{C}$ .

46. The anhydrous composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

47. The anhydrous composition according to claim 46, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

48. The anhydrous composition according to claim 47, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

49. The anhydrous composition according to claim 1, wherein said composition has a hardness ranging from 30 to 300 g.



50. The anhydrous composition according to claim 49, wherein said composition has a hardness ranging from 30 to 250 g.

51. The anhydrous composition according to claim 50, wherein said composition has a hardness ranging from 30 to 200 g.

52. The anhydrous composition according to claim 1, wherein said at least one liquid fatty phase of the composition further comprises at least one oil.

53. The anhydrous composition according to claim 52, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

54. The anhydrous composition according to claim 53, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters and esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains possibly being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms,  $R_6$  is chosen from a hydrocarbon-based chain comprising from 1 to 40 carbon atoms, and  $R_5 + R_6 \geq 10$ ;
- synthetic ethers comprising from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

55. The anhydrous composition according to claim 53, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each comprising from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin; and

- fluorocarbons chosen from linear and branched, volatile and non-volatile fluorocarbons.

56. The anhydrous composition according to claim 1, wherein said at least one liquid fatty phase further comprises at least one non-volatile oil.

57. The anhydrous composition according to claim 56, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

58. The anhydrous composition according to claim 1, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

59. The anhydrous composition according to claim 58, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

60. The anhydrous composition according to claim 59, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

61. The anhydrous composition according to claim 60, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

62. The anhydrous composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising at least one group chosen from alkyl and alkoxy groups that are pendant and/or at the end of a silicone chain.

63. The anhydrous composition according to claim 62, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

64. The anhydrous composition according to claim 63, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

65. The anhydrous composition according to claim 64, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

66. The anhydrous composition according to claim 1, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 20 to 55°C and fatty substances having a viscosity at 40°C ranging from 0.1 to 40 Pa.s.

67. The anhydrous composition according to claim 66, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 25 to 45°C and fatty substances having a viscosity at 40°C ranging from 0.5 to 25 Pa.s.

68. The anhydrous composition according to claim 66, wherein said at least one pasty fatty substance is chosen from lanolins, lanolin derivatives, esters of fatty acids, esters of fatty alcohols, arachidyl propionate, polyvinyl laurate, cholesterol esters, polyesters and silicone fatty substances.

69. The anhydrous composition according to claim 68, wherein said lanolin derivatives are chosen from acetylated lanolins, oxypropylenated lanolins and isopropyl lanolate.

70. The anhydrous composition according to claim 68, wherein said cholesterol esters are chosen from triglycerides of plant origin.

71. The anhydrous composition according to claim 68, wherein said polyesters are poly(12-hydroxystearic acid).

72. The anhydrous composition according to claim 68, wherein said silicone fatty substances are chosen from polydimethylsiloxanes (PDMS) having at least one pendant chain chosen from alkyl and alkoxy chains containing from 8 to 24 carbon atoms.

73. The anhydrous composition according to claim 1, wherein said at least one pasty fatty substance is present in a proportion ranging from 0.5% to 60% by weight relative to the total weight of the composition.

74. The anhydrous composition according to claim 1, wherein said at least one pasty fatty substance is present in a proportion ranging from 2% to 45% by weight relative to the total weight of the composition.

75. The anhydrous composition according to claim 1, wherein said at least one pasty fatty substance is present in a proportion ranging from 5% to 30% by weight relative to the total weight of the composition.

76. The anhydrous composition according to claim 1, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

77. The anhydrous composition according to claim 1, wherein said anhydrous composition is a solid.

78. The anhydrous composition according to claim 77, wherein said anhydrous composition is a solid chosen from molded and poured sticks.

79. The anhydrous composition according to claim 1, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance value of less than 12.

80. The anhydrous composition according to claim 79, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.

81. The anhydrous composition according to claim 79, wherein said at least one amphiphilic compound is present in an amount ranging from 0.1% to 35% by weight relative to the total weight of the composition.

82. The anhydrous composition according to claim 81, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 20% by weight relative to the total weight of the composition.

83. The anhydrous composition according to claim 82, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 15% by weight relative to the total weight of the composition.

84. The anhydrous composition according to claim 1, further comprising at least one additional additive chosen from antioxidants, essential oils, preservatives,

fragrances, fillers, waxes, neutralizing agents, dispersing agents, fat-soluble polymers, cosmetic and dermatological active agents, and an aqueous phase comprising water that is optionally thickened or gelled with an aqueous-phase thickener or gelling agent and optionally water-miscible compounds.

85. The anhydrous composition according to claim 1, further comprising at least one coloring agent.

86. The anhydrous composition according to claim 85, wherein said at least one coloring agent is chosen from lipophilic dyes, hydrophilic dyes, pigments and nacles.

87. The anhydrous composition according to claim 85, wherein said at least one coloring agent is present in a proportion of from 0.01% to 50% relative to the total weight of the composition.

88. The anhydrous composition according to claim 1, wherein said composition is in the form of a rigid gel.

89. The anhydrous composition according to claim 1, wherein said composition is in the form of an anhydrous stick.

90. The anhydrous composition according to claim 1, wherein said composition further comprises at least one wax.

91. The anhydrous composition according to claim 90, wherein said at least one wax is chosen from beeswax, carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fibre wax, sugar cane wax, paraffin wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, ozokerites and hydrogenated oils, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, and silicone waxes.

92. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

93. The composition according to claim 92, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

94. The composition according to claim 93, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

95. The composition according to claim 94, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

96. The composition according to claim 95, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

97. The composition according to claim 93, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether, perfluoro, carboxylic acid, hydroxyl, polyol, amide, phosphoric acid, phosphate, carbamate, thiol and amine groups.

98. The composition according to claim 97, wherein said at least one linking group is chosen from urea, ester, and amine groups.

99. The composition according to claim 98, wherein said at least one linking group is chosen from ester and amine groups.

100. The composition according to claim 93, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

101. The composition according to claim 100, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

102. The composition according to claim 93, wherein said at least one terminal fatty chain is functionalized.

103. The composition according to claim 93, wherein said at least one pendant fatty chain is functionalized.

104. The composition according to claim 93, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

105. The composition according to claim 104, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

106. The composition according to claim 92, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

107. The composition according to claim 106, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

108. The composition according to claim 107, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

109. The composition according to claim 108, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.

110. The composition according to claim 109, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.

111. The composition according to claim 92, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

112. The composition according to claim 111, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.

113. The composition according to claim 92, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

114. The composition according to claim 92, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

115. The composition according to claim 114, wherein said at least one hetero atom is a nitrogen atom.

116. The composition according to claim 114, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

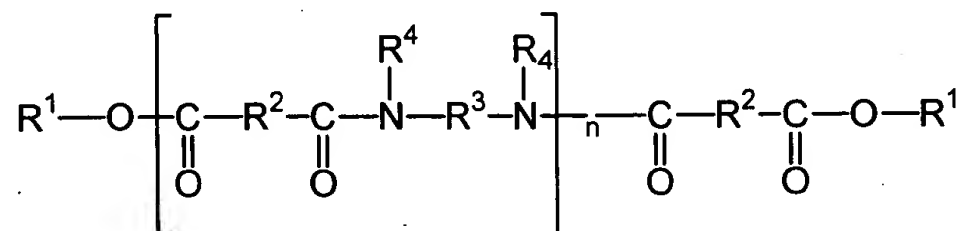
117. The composition according to claim 116, wherein said at least one hetero atom group further comprises a carbonyl group.

118. The composition according to claim 116, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

119. The composition according to claim 118, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

120. The composition according to claim 118, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from polyurethane skeletons, polyurea skeletons and polyurethane-polyurea skeletons.

121. The composition according to claim 92, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):





in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

122. The composition according to claim 121, wherein in said formula (I), n is an integer ranging from 1 to 5.

123. The composition according to claim 122, wherein in said formula (I), n is an integer ranging from 3 to 5.

124. The composition according to claim 121, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

125. The composition according to claim 124, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

126. The composition according to claim 125, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

127. The composition according to claim 121, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

128. The composition according to claim 127, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

129. The composition according to claim 121, wherein in said formula (I),  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

130. The composition according to claim 129, wherein  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

131. The composition according to claim 130, wherein in said formula (I),  $R^4$ , which are identical or different, are each chosen from hydrogen atoms.

132. The composition according to claim 121, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

133. The composition according to claim 92, wherein said at least one structuring polymer has a softening point greater than  $50^\circ\text{C}$ .

134. The composition according to claim 133, wherein said at least one structuring polymer has a softening point ranging from  $65^\circ\text{C}$  to  $190^\circ\text{C}$ .

135. The composition according to claim 134, wherein said at least one structuring polymer has a softening point ranging from  $70^\circ\text{C}$  to  $130^\circ\text{C}$ .

136. The composition according to claim 135, wherein said at least one structuring polymer has a softening point ranging from  $80^\circ\text{C}$  to  $105^\circ\text{C}$ .

137. The composition according to claim 92 wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

138. The composition according to claim 137, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

139. The composition according to claim 138, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

140. The composition according to claim 92, wherein said composition has a hardness ranging from 30 to 300 g.

141. The composition according to claim 140, wherein said composition has a hardness ranging from 30 to 250 g.

142. The composition according to claim 141, wherein said composition has a hardness ranging from 30 to 200 g.

143. The composition according to claim 92, wherein said at least one liquid fatty phase of the composition further comprises at least one oil.

144. The composition according to claim 143, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

145. The composition according to claim 144, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters and esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains possibly being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms,  $R_6$  is chosen from a hydrocarbon-based chain comprising from 1 to 40 carbon atoms, and  $R_5 + R_6 \geq 10$ ;
- synthetic ethers comprising from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

146. The composition according to claim 144, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each comprising from 2 to 24 carbon atoms;
- phenylsilicones;
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin; and
- fluorocarbons chosen from linear and branched, volatile and non-volatile fluorocarbons.

147. The composition according to claim 92, wherein said at least one liquid fatty phase further comprises at least one non-volatile oil.

148. The composition according to claim 147, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

149. The composition according to claim 92, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

150. The composition according to claim 149, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

151. The composition according to claim 150, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

152. The composition according to claim 151, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

153. The composition according to claim 92, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising at least one group chosen from alkyl and alkoxy groups that are pendant and/or at the end of a silicone chain.

154. The composition according to claim 153, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

155. The composition according to claim 154, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

156. The composition according to claim 155, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

157. The composition according to claim 92, wherein said composition further comprises at least one additional fatty material.

158. The composition according to claim 157, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

159. The composition according to claim 92, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 20 to 55°C and fatty substances having a viscosity at 40°C ranging from 0.1 to 40 Pa.s.

160. The composition according to claim 159, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 25 to 45°C and fatty substances having a viscosity at 40°C ranging from 0.5 to 25 Pa.s.

161. The composition according to claim 159, wherein said at least one pasty fatty substance is chosen from lanolins, lanolin derivatives, esters of fatty acids, esters of fatty alcohols, arachidyl propionate, polyvinyl laurate, cholesterol esters, polyesters and silicone fatty substances.

162. The composition according to claim 161, wherein said lanolin derivatives are chosen from acetylated lanolins, oxypropylenated lanolins and isopropyl lanolate.

163. The composition according to claim 161, wherein said cholesterol esters are chosen from triglycerides of plant origin.

164. The composition according to claim 161, wherein said polyesters are poly(12-hydroxystearic acid).

165. The composition according to claim 161, wherein said silicone fatty substances are chosen from polydimethylsiloxanes (PDMS) having at least one pendant chain chosen from alkyl and alkoxy chains containing from 8 to 24 carbon atoms.

166. The composition according to claim 92, wherein said at least one pasty fatty substance is present in a proportion ranging from 0.5% to 60% by weight relative to the total weight of the composition.

167. The composition according to claim 166, wherein said at least one pasty fatty substance is present in a proportion ranging from 2% to 45% by weight relative to the total weight of the composition.

168. The composition according to claim 167, wherein said at least one pasty fatty substance is present in a proportion ranging from 5% to 30% by weight relative to the total weight of the composition.

169. The composition according to claim 92, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

170. The composition according to claim 92, wherein said composition is a solid.

171. The composition according to claim 170, wherein said composition is a solid chosen from molded and poured sticks.

172. The composition according to claim 92, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance value of less than 12.

173. The composition according to claim 172, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.

174. The composition according to claim 172, wherein said at least one amphiphilic compound is present in an amount ranging from 0.1% to 35% by weight relative to the total weight of the composition.

175. The composition according to claim 174, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 20% by weight relative to the total weight of the composition.

176. The composition according to claim 175, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 15% by weight relative to the total weight of the composition.

177. The composition according to claim 92, further comprising at least one additional additive chosen from antioxidants, essential oils, preservatives, fragrances, fillers, waxes, neutralizing agents, dispersing agents, fat-soluble polymers, cosmetic and dermatological active agents, and an aqueous phase comprising water that is optionally thickened or gelled with an aqueous-phase thickener or gelling agent and optionally water-miscible compounds.

178. The composition according to claim 92, further comprising at least one coloring agent.

179. The composition according to claim 178, wherein said at least one coloring agent is chosen from lipophilic dyes, hydrophilic dyes, pigments and nacles.

180. The composition according to claim 178, wherein said at least one coloring agent is present in a proportion of from 0.01% to 50% relative to the total weight of the composition.

181. The composition according to claim 92, wherein said composition is in the form of a rigid gel.

182. The composition according to claim 92, wherein said composition is in the form of an anhydrous stick.

183. The composition according to claim 92, wherein said composition further comprises at least one wax.

184. The composition according to claim 183, wherein said at least one wax is chosen from beeswax, carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fibre wax, sugar cane wax, paraffin wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, ozokerites and hydrogenated oils, polyethylene waxes, waxes

obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, and silicone waxes.

185. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

186. The composition according to claim 185, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one acid chosen from dicarboxylic acids comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

187. The composition according to claim 186, wherein said dicarboxylic acids comprise from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

188. The composition according to claim 187, wherein said dicarboxylic acids are chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

189. The composition according to claim 188, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

190. The composition according to claim 186, wherein said diamines are chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, and phenylenediamine and said triamines are chosen from ethylenetriamine.

191. The composition according to claim 185, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.



192. The composition according to claim 191, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

193. The composition according to claim 185, wherein said at least one polyamide polymer is chosen from:

- polymers chosen from mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine, and having a weight-average molecular mass of about 6000;

- polyamide polymers resulting from the condensation of at least one aliphatic dicarboxylic acid and at least one diamine, the carbonyl and amine groups being condensed via an amide bond; and

- polyamide resins from vegetable sources.

194. The composition according to claim 185, further comprising at least one amphiphilic compound that is liquid and non-volatile at room temperature and has a hydrophilic/lipophilic balance value of less than 12.

195. The composition according to claim 194, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, the lipophilic part comprising a carbon-based chain comprising at least 8 carbon atoms.

196. The composition according to claim 194, wherein said at least one amphiphilic compound is present in an amount ranging from 0.1% to 35% by weight relative to the total weight of the composition.

197. The composition according to claim 196, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 20% by weight relative to the total weight of the composition.

198. The composition according to claim 197, wherein said at least one amphiphilic compound is present in an amount ranging from 1% to 15% by weight relative to the total weight of the composition.

199. The composition according to claim 185, wherein said at least one liquid fatty phase of the composition further comprises at least one oil.

200. The composition according to claim 185, further comprising at least one additional additive chosen from antioxidants, essential oils, preservatives, fragrances, fillers, waxes, neutralizing agents, dispersing agents, fat-soluble polymers, cosmetic and dermatological active agents, and an aqueous phase comprising water that is optionally thickened or gelled with an aqueous-phase thickener or gelling agent and optionally water-miscible compounds.

201. The composition according to claim 185, further comprising at least one coloring agent.

202. The composition according to claim 201, wherein said at least one coloring agent is chosen from lipophilic dyes, hydrophilic dyes, pigments and natures.

203. The composition according to claim 201, wherein said at least one coloring agent is present in a proportion of from 0.01% to 50% relative to the total weight of the composition.

204. The composition according to claim 185, wherein said composition is in the form of a rigid gel.

205. The composition according to claim 185, wherein said composition is in the form of an anhydrous stick.

206. The composition according to claim 185, wherein said composition further comprises at least one wax.

207. The composition according to claim 206, wherein said at least one wax is chosen from beeswax, carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fibre wax, sugar cane wax, paraffin wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, ozokerites and hydrogenated oils, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, and silicone waxes.

208. The composition according to claim 185, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 20 to 55°C and fatty substances having a viscosity at 40°C ranging from 0.1 to 40 Pa.s.

209. The composition according to claim 208, wherein said at least one pasty fatty substance is chosen from fatty substances having a melting point ranging from 25 to 45°C and fatty substances having a viscosity at 40°C ranging from 0.5 to 25 Pa.s.

210. The composition according to claim 185, wherein said at least one pasty fatty substance is chosen from lanolins, lanolin derivatives, esters of fatty acids, esters of fatty alcohols, arachidyl propionate, polyvinyl laurate, cholesterol esters, polyesters and silicone fatty substances.

211. The composition according to claim 210, wherein said lanolin derivatives are chosen from acetylated lanolins, oxypropylenated lanolins and isopropyl lanolate.

212. The composition according to claim 210, wherein said cholesterol esters are chosen from triglycerides of plant origin.

213. The composition according to claim 210, wherein said polyesters are poly(12-hydroxystearic acid).

214. The composition according to claim 210, wherein said silicone fatty substances are chosen from polydimethylsiloxanes having at least one pendant chain chosen from alkyl and alkoxy chains containing from 8 to 24 carbon atoms.

215. The composition according to claim 185, wherein said at least one pasty fatty substance is present in a proportion ranging from 0.5% to 60% by weight relative to the total weight of the composition.

216. The composition according to claim 185, wherein said at least one pasty fatty substance is present in a proportion ranging from 2% to 45% by weight relative to the total weight of the composition.

217. The composition according to claim 185, wherein said at least one pasty fatty substance is present in a proportion ranging from 5% to 30% by weight relative to the total weight of the composition.

218. A mascara, an eyeliner, a foundation, a lipstick, a make-up-removing product, a make-up product for the body, a nail composition, an eyeshadow, a face powder, a concealer product, a shampoo, a conditioner, an antisun product or a care product for the lips, face, body, or hair comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, lipstick, blusher, make-up-

removing product, make-up product for the body, nail composition, eyeshadow, face powder, concealer product, shampoo, conditioner, antisun product or care product for the lips, face, body, or hair which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

219. A deodorant product or a care product for the skin or body comprising a composition comprising at least one liquid fatty phase in said product which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

220. A care and/or treatment and/or make-up composition for keratin materials comprising an anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

221. A care and/or treatment and/or make-up composition for keratinous fibers, lips or skin comprising at least one liquid fatty phase in said care and/or treatment and/or make-up composition for

keratinous fibers, lips or skin which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

222. A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature, and at least one structuring polymer having a weight-average molecular mass of less than 100 000, said at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom.

223. A method for care, make-up or treatment of keratin materials comprising applying to said keratin materials a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

224. A method for care, make-up or treatment of keratinous fibers, lips, or skin comprising applying to said keratinous fibers, lips, or skin a composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

225. A method for providing a composition having at least one property chosen from a solid appearance, non-exudation, shear-strength, gloss, and comfortable deposit on keratin materials chosen from lips, skin, and keratinous fibers, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

226. A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising a polymer skeleton which comprises at least one amide repeating unit, wherein the at least one structuring polymer further comprises at least one chain chosen from

(i) terminal fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, and

(ii) pendant fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters,

wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups, and

further comprising at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

227. A structured composition comprising at least one liquid fatty

phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one chain chosen from

(i) terminal fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, and

(ii) pendant fatty chains, optionally functionalized, chosen from alkyl and alkenyl chains, bonded to the polymer skeleton via at least one linking group chosen from amides, ureas, and esters,

wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups, and

further comprising at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

228. A make up or care or treatment composition for the skin, the lips, or keratinous fibers comprising a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature, and at least one coloring agent.

229. A method of making up or caring for skin, lips, or keratinous fibers comprising applying to said skin, lips, or keratinous fibers a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom and at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

230. A composition comprising at least one liquid fatty phase which comprises:

- (i) at least one structuring polymer comprising  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom with the proviso that said at least one hetero atom is not nitrogen; and
- (ii) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

231. The anhydrous composition according to claim 79, wherein said hydrophilic/lipophilic balance value is less than 8.

232. The anhydrous composition according to claim 231, wherein said hydrophilic/lipophilic balance value ranges from 1 to 7.

233. The anhydrous composition according to claim 232, wherein hydrophilic/lipophilic balance value ranges from 1 to 5.

234. The anhydrous composition according to claim 79, wherein said at least one amphiphilic compound is chosen from hydroxystearates of glycerol, oleates of glycerol, isostearates of glycerol, hydroxystearates of sorbitan, oleates of sorbitan, isostearates of sorbitan, hydroxystearates of methylglucose, oleates of methylglucose, isostearates of methylglucose, and octyldodecanol.

235. The composition according to claim 172, wherein said hydrophilic/lipophilic balance value is less than 8.

236. The composition according to claim 235, wherein said hydrophilic/lipophilic balance value ranges from 1 to 7.

237. The composition according to claim 236, wherein hydrophilic/lipophilic balance value ranges from 1 to 5.

238. The composition according to claim 172, wherein said at least one amphiphilic compound is chosen from hydroxystearates of glycerol, oleates of glycerol, isostearates of glycerol, hydroxystearates of sorbitan, oleates of sorbitan, isostearates of sorbitan, hydroxystearates of methylglucose, oleates of methylglucose, isostearates of methylglucose, and octyldodecanol.



239. The composition according to claim 194, wherein said hydrophilic/lipophilic balance value is less than 8.

240. The composition according to claim 239, wherein said hydrophilic/lipophilic balance value ranges from 1 to 7.

241. The composition according to claim 240, wherein hydrophilic/lipophilic balance value ranges from 1 to 5.

242. The composition according to claim 194, wherein said at least one amphiphilic compound is chosen from hydroxystearates of glycerol, oleates of glycerol, isostearates of glycerol, hydroxystearates of sorbitan, oleates of sorbitan, isostearates of sorbitan, hydroxystearates of methylglucose, oleates of methylglucose, isostearates of methylglucose, and octyldodecanol.

243. The anhydrous composition according to claim 80, wherein said carbon-based chain comprises from 16 to 32 carbon atoms.

244. The anhydrous composition according to claim 243, wherein said carbon-based chain comprises from 18 to 28 carbon atoms.

245. The composition according to claim 173, wherein said carbon-based chain comprises from 16 to 32 carbon atoms.

246. The composition according to claim 245, wherein said carbon-based chain comprises from 18 to 28 carbon atoms.

247. The composition according to claim 195, wherein said carbon-based chain comprises from 16 to 32 carbon atoms.

248. The composition according to claim 247, wherein said carbon-based chain comprises from 18 to 28 carbon atoms.

249. The anhydrous composition according to claim 79, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, wherein the polar part is a residue of a compound chosen from alcohols and polyols comprising from 1 to 12 hydroxyl groups, and polyoxyalkylenes comprising at least 2 oxyalkylene units, from 0 to 20 oxypropylene units, and from 0 to 20 oxyethylene units.

250. The composition according to claim 172, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, wherein the

polar part is a residue of a compound chosen from alcohols and polyols comprising from 1 to 12 hydroxyl groups, and polyoxyalkylenes comprising at least 2 oxyalkylene units, from 0 to 20 oxypropylene units, and from 0 to 20 oxyethylene units.

251. The composition according to claim 195, wherein said at least one amphiphilic compound comprises a lipophilic part linked to a polar part, wherein the polar part is a residue of a compound chosen from alcohols and polyols comprising from 1 to 12 hydroxyl groups, and polyoxyalkylenes comprising at least 2 oxyalkylene units, from 0 to 20 oxypropylene units, and from 0 to 20 oxyethylene units.

252. The anhydrous composition according to claim 53, wherein said at least one apolar oil is squalane.

253. The composition according to claim 144, wherein said at least one apolar oil is squalane.

254. The anhydrous composition according to claim 68, wherein said esters of fatty acids are chosen from esters of fatty acids comprising from 20 to 65 carbon atoms.

255. The anhydrous composition according to claim 68, wherein said esters of fatty alcohols are chosen from esters of fatty alcohols comprising from 20 to 65 carbon atoms.

256. The composition according to claim 161, wherein said esters of fatty acids are chosen from esters of fatty acids comprising from 20 to 65 carbon atoms.

257. The composition according to claim 161, wherein said esters of fatty alcohols are chosen from esters of fatty alcohols comprising from 20 to 65 carbon atoms.

258. The anhydrous composition according to claim 210, wherein said esters of fatty acids are chosen from esters of fatty acids comprising from 20 to 65 carbon atoms.

259. The anhydrous composition according to claim 210, wherein said esters of fatty alcohols are chosen from esters of fatty alcohols comprising from 20 to 65 carbon atoms.

260. The anhydrous composition according to claim 17, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 10,000.

261. The anhydrous composition according to claim 19, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 8,000.

262. The composition according to claim 108, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 10,000.

263. The composition according to claim 110, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 8,000.

264. The anhydrous composition according to claim 1, wherein said polymer skeleton further comprises at least one repeating unit chosen from silicone units and oxyalkylene units, the at least one repeating unit being between the hydrocarbon-based repeating units.

265. The anhydrous composition according to claim 264, wherein said silicone unit forms an organopolysiloxane backbone.

266. The composition according to claim 92, wherein said polymer skeleton further comprises at least one repeating unit chosen from silicone units and oxyalkylene units, the at least one repeating unit being between the hydrocarbon-based repeating units.

267. The composition according to claim 266, wherein said silicone unit forms an organopolysiloxane backbone.

268. The anhydrous composition according to claim 48, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 25% by weight relative to the total weight of the composition.

269. The composition according to claim 139, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 25% by weight relative to the total weight of the composition.

270. The anhydrous composition according to claim 51, wherein said composition has a hardness ranging from 30 to 150 g.

271. The anhydrous composition according to claim 270, wherein said composition has a hardness ranging from 30 to 120 g.

272. The anhydrous composition according to claim 271, wherein said composition has a hardness ranging from 30 to 50 g.

273. The composition according to claim 142, wherein said composition has a hardness ranging from 30 to 150 g.

274. The composition according to claim 273, wherein said composition has a hardness ranging from 30 to 120 g.

275. The composition according to claim 274, wherein said composition has a hardness ranging from 30 to 50 g.

276. The anhydrous composition according to claim 87, wherein said at least one coloring agent is present in a proportion of from 0.5% to 40% relative to the total weight of the composition.

277. The anhydrous composition according to claim 276, wherein said at least one coloring agent is present in a proportion of from 5% to 30% relative to the total weight of the composition.

278. The anhydrous composition according to claim 277, wherein said at least one coloring agent is present in a proportion of from 5% to 25% relative to the total weight of the composition.

279. The composition according to claim 180, wherein said at least one coloring agent is present in a proportion of from 0.5% to 40% relative to the total weight of the composition.

280. The composition according to claim 279, wherein said at least one coloring agent is present in a proportion of from 5% to 30% relative to the total weight of the composition.

281. The composition according to claim 280, wherein said at least one coloring agent is present in a proportion of from 5% to 25% relative to the total weight of the composition.

282. A method for conferring long wearing properties on a composition comprising:

(a) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom and at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, optionally functionalized, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group and wherein said at least one terminal fatty chain comprises from 12 to 120 carbon atoms; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, optionally functionalized, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group and wherein said at least one terminal fatty chain comprises from 12 to 120 carbon atoms,

wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer; and

(b) at least one pasty fatty substance, wherein said at least one pasty fatty substance comprises at least one liquid fraction and at least one solid fraction at room temperature.

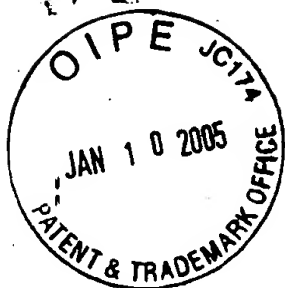
283. The method according to claim 282, wherein said at least one structuring polymer is a polyamide comprising at least one terminal fatty chain functionalized with an ester comprising a hydrocarbon-based chain having from 10 to 42 carbon atoms.

284. A method according to claim 282, further comprising at least one amphiphilic compound which is liquid at room temperature and which has an HLB value of less than 12.

285. A method according to claim 284, wherein said at least one amphiphilic compound has an HLB value of less than 8.

286. A method according to claim 284, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 7.

287. A method according to claim 284, wherein said at least one amphiphilic compound has an HLB value ranging from 1 to 5.



PENDING CLAIMS  
US Patent No 6,716,420  
Attorney Docket No. 05725.0895-00000  
Filed: October 5, 2001

1. - 195. (Cancelled).

196. A method for making-up eyelashes comprising applying to said eyelashes  
a mascara comprising:

(i) at least one coloring agent;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl  
dimer tallate copolymer;

(iii) at least one preservative;

(iv) water;

(v) PVP;

(vi) neutralized stearic acid; and

(vii) glyceryl stearate.

197. - 203. (Cancelled).

204. A method for making a mascara comprising including in said mascara:

(i) at least one coloring agent;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl  
dimer tallate copolymer;

(iii) at least one preservative;

(iv) water;

(v) PVP;

(vi) neutralized stearic acid; and

(vii) glyceryl stearate.

205. - 206. (Cancelled).

207. A method for making-up eyelashes according to claim 196, wherein said stearic acid is neutralized by at least one amine compound in an amount less than the amount of said at least one polyamide polymer.

208. A method for making a mascara according to claim 204, wherein said stearic acid is neutralized by at least one amine compound in an amount less than the amount of said at least one polyamide polymer.



PENDING CLAIMS  
Application No. 10/413,217  
Attorney Docket No. 05725.0895-01000  
Filed: April 15, 2003

1-190. (Canceled)

191. A method for making-up eyelashes comprising applying to said eyelashes a mascara comprising:

(i) neutralized stearic acid;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

(iii) water;

(iv) at least one coloring agent; and

(v) at least one preservative.

192. A method for making a mascara comprising including in said mascara:

(i) at least one coloring agent;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

(iii) at least one preservative;

(iv) water; and

(v) neutralized stearic acid.

193. A method for making-up eyelashes according to claim 191, wherein said stearic acid is neutralized by at least one amine compound in an amount less than the amount of said at least one polyamide polymer.



194. A method for making a mascara according to claim 192, wherein said stearic acid is neutralized by at least one amine compound in an amount less than the amount of said at least one polyamide polymer.

195. A method for making-up eyelashes according to claim 191, wherein said mascara further comprises PVP.

196. A method for making-up eyelashes according to claim 191, wherein said mascara further comprises glyceryl stearate.

197. A method of making a mascara according to claim 192, comprising further including PVP.

198. A method of making a mascara according to claim 192, comprising further including glyceryl stearate.

199. A method for making a mascara comprising mixing

- (i) at least one coloring agent;
- (ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) at least one preservative;
- (iv) water;
- (v) stearic acid; and
- (vi) at least one amine base.

200. A method for making a mascara according to claim 199, further comprising mixing PVP.

201. A method for making a mascara according to claim 199, further comprising mixing glyceryl stearate.

202. A method for making a mascara comprising mixing

(i) at least one coloring agent;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

(iii) at least one preservative;

(iv) water;

(v) stearic acid;

(vi) at least one amine base;

(vii) PVP; and

(viii) glyceryl stearate.

203. A method for making-up eyelashes comprising applying to said eyelashes a mascara made by mixing

(i) at least one coloring agent;

(ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

(iii) at least one preservative;

- (iv) water;
- (v) stearic acid; and
- (vi) at least one amine base.

204. A method for making-up eyelashes according to claim 203, wherein said mascara is made by further mixing PVP.

205. A method for making- up eyelashes according to claim 203, wherein said mascara is made by further mixing glyceryl stearate.

206. A method for making-up eyelashes comprising applying to said eyelashes a mascara made by mixing

- (i) at least one coloring agent;
- (ii) at least one polyamide polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) at least one preservative;
- (iv) water;
- (v) stearic acid;
- (vi) at least one amine base;
- (vii) PVP; and
- (viii) glyceryl stearate.



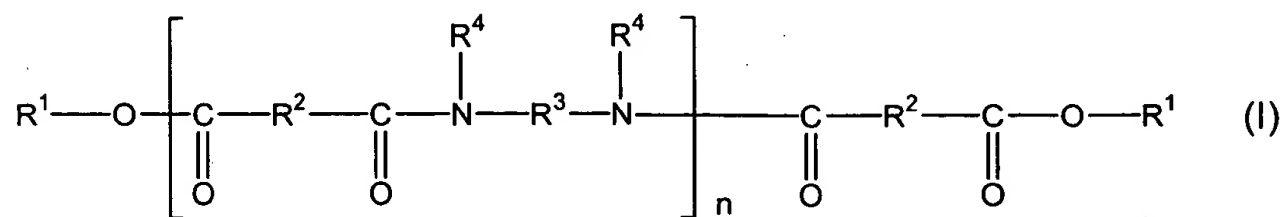
PENDING CLAIMS  
Application No. 10/699,780  
Attorney Docket No. 05725.0895-02000  
Filing Date: November 4, 2003

1. (Original) A method for dispersing at least one coloring agent in a cosmetic composition comprising:  
including in said cosmetic composition:  
(i) at least one heteropolymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom  
in an amount effective to disperse said at least one coloring agent.
2. (Original) The method according to claim 1, wherein said at least one heteropolymer further comprises at least one of:  
at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and  
at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.
3. (Original) The method according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.
4. (Cancelled)
5. (Cancelled)
6. (Original) The method according to claim 2, wherein said at least one linking group is chosen from direct bonds, urea groups, urethane groups, thiourea

groups, thiourethane groups, thioether groups, thioester groups, ester groups, ether groups, and amine groups.

7-27. (Cancelled)

28. (Original) The method according to claim 1, wherein said at least one heteropolymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and direct bonds to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

29-39. (Cancelled)

40. (Original) The method according to claim 1, wherein said at least one heteropolymer has a softening point greater than 50°C.

41-46. (Cancelled)

47. (Original) The method according to claim 1, wherein said cosmetic composition further comprises at least one liquid fatty phase.

48-71. (Cancelled)

72. (Original) The method according to claim 1, further comprising at least one polysaccharide resin.

73. (Cancelled)

74. (Cancelled)

75. (Original) The method according to claim 1, further comprising at least one film former.

76-79. (Cancelled)

80. (Original) The method according to claim 1, further comprising at least one fatty alcohol.

81-95. (Cancelled)

96. (Original) A method of providing at least one property chosen from gloss and intense color to a cosmetic composition, comprising including in said cosmetic composition:

(i) at least one heteropolymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one coloring agent,

wherein said at least one heteropolymer is present in an amount effective to disperse said at least one coloring agent.

97. (Original) The method according to claim 96, wherein said at least one heteropolymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

98. (Original) The method according to claim 97, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

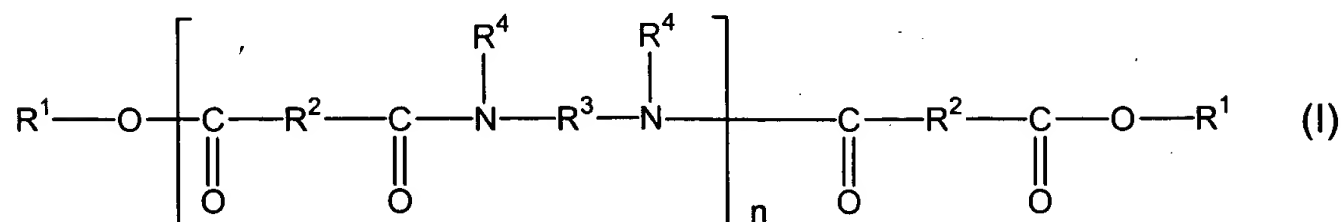
99. (Cancelled)

100. (Cancelled)

101. (Original) The method according to claim 97, wherein said at least one linking group is chosen from direct bonds, urea groups, urethane groups, thiourea groups, thiourethane groups, thioether groups, thioester groups, ester groups, ether groups, and amine groups.

102-122. (Cancelled)

123. (Original) The method according to claim 96, wherein said at least one heteropolymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and direct bonds to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

124-134. (Cancelled)



135. (Original) The method according to claim 96, wherein said at least one heteropolymer has a softening point greater than 50°C.

136-141. (Cancelled)

142. (Original) The method according to claim 96, wherein said cosmetic composition further comprises at least one liquid fatty phase.

143-166. (Cancelled)

167. (Original) The method according to claim 96, further comprising at least one polysaccharide resin.

168. (Cancelled)

169. (Cancelled)

170. (Original) The method according to claim 96, further comprising at least one film former.

171-174. (Cancelled)

175. (Original) The method according to claim 96, further comprising at least one fatty alcohol.

176-190. (Cancelled)

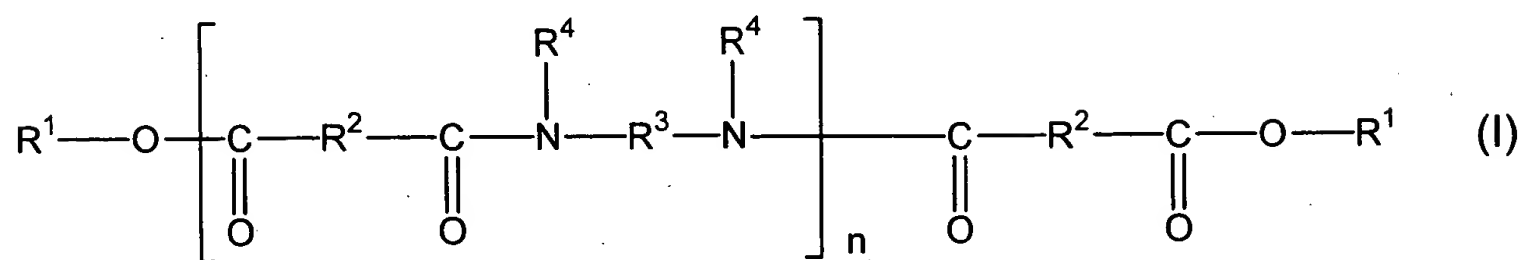


PENDING CLAIMS  
Application No. 10/198,931  
Attorney Docket No. 05725.0896  
Filed: July 22, 2002

1. (Previously presented) A composition comprising:

(i) at least one heteropolymer chosen from polyamide polymers of formula

(I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms

and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms;  
and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms;

(ii) fibers; and

(iii) at least one compound chosen from at least one polysaccharide resin and at least one copolymer film former chosen from di-block, tri-block, multi-block, and radial copolymers,

wherein said at least one heteropolymer is present in an amount effective to disperse said fibers.

2.-18. (Canceled)

19. (Previously presented) The composition according to claim 1, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

20. (Original) The composition according to claim 1, further comprising at least one liquid fatty phase.

21. (Original) The composition according to claim 20, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

22. (Original) The composition according to claim 21, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

23. (Original) The composition according to claim 22, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5 + R_6 \geq 10$ ;
- synthetic ethers comprising from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and
- $C_8$  to  $C_{26}$  fatty acids.

24. (Original) The composition according to claim 22, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each comprising from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

25. (Original) The composition according to claim 20, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

26. (Original) The composition according to claim 25, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

27. (Original) The composition according to claim 26, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

28. (Original) The composition according to claim 20, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

29. (Original) The composition according to claim 1, wherein said fibers are chosen from natural and synthetic fibers.

30. (Original) The composition according to claim 29, wherein said natural fibers are chosen from cotton, silk, wool, and other keratin fibers.

31. (Original) The composition according to claim 29, wherein said synthetic fibers are chosen from polyester, rayon, nylon and other polyamide fibers.

32. (Original) The composition according to claim 28, wherein said fibers have an average length ranging from 0.5 mm to 4.0 mm.

33. (Original) The composition according to claim 32, wherein said fibers have an average length ranging from 1.5 mm to 2.5 mm.

34. (Original) The composition according to claim 1, wherein said fibers are present in the composition in an amount ranging from 0.5% to 10% relative to the total weight of the composition.

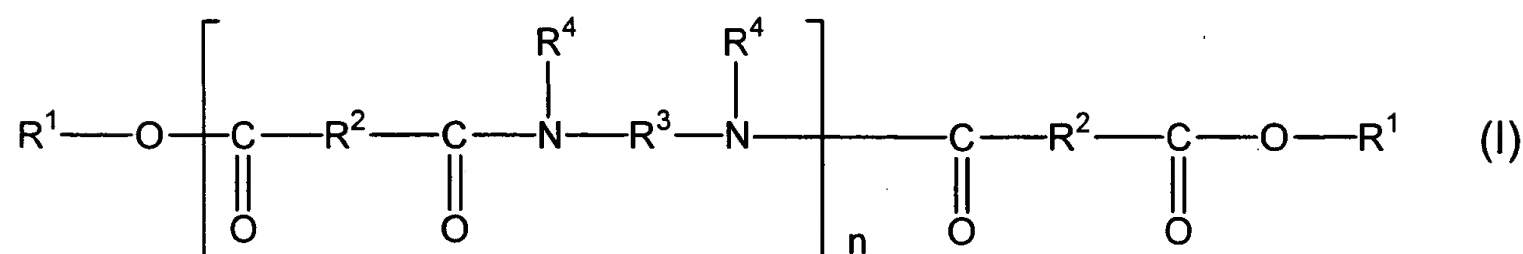
35. (Original) The composition according to claim 1, further comprising at least one film former different from said at least one polysaccharide resin.

36. (Original) The composition according to claim 1, wherein the composition is in a form chosen from a fluid gel, rigid gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

37. (Previously presented) A composition comprising:

(i) at least one heteropolymer chosen from polyamide polymers of formula

(I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms;

(ii) fibers,

(iii) at least one polysaccharide resin, and

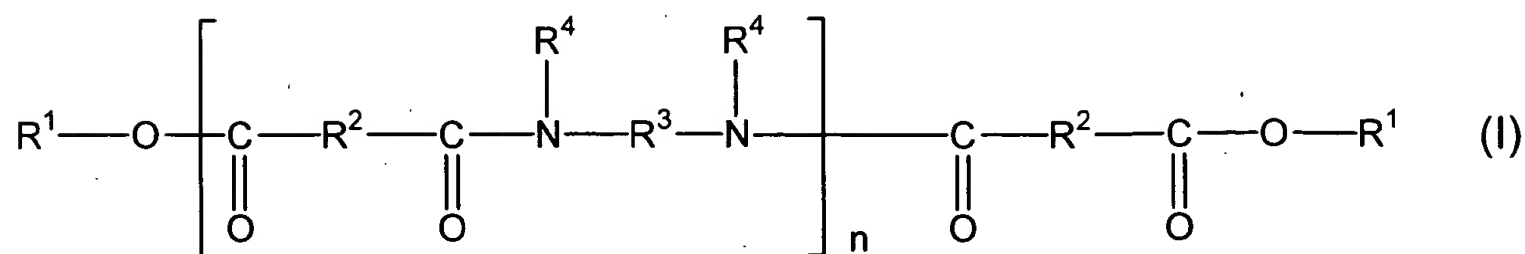
(iv) at least one copolymer film former chosen from di-block, tri-block, multi-block, and radial copolymers,

wherein said at least one heteropolymer is present in an amount effective to disperse said fibers.

38. (Previously presented) A method for dispersing fibers in a cosmetic composition which comprises fibers comprising  
including in said cosmetic composition:

(i) at least one heteropolymer chosen from polyamide polymers of formula

(I):



in which:

- $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- $\text{R}^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- $\text{R}^2$ , which are identical or different, are each chosen from  $\text{C}_4$  to  $\text{C}_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $\text{R}^2$  are chosen from  $\text{C}_{30}$  to  $\text{C}_{42}$  hydrocarbon-based groups;

- $\text{R}^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $\text{R}^3$  comprises at least 2 carbon atoms;

and

- $\text{R}^4$ , which are identical or different, are each chosen from hydrogen atoms,  $\text{C}_1$  to  $\text{C}_{10}$  alkyl groups and a direct bond to at least one group chosen



from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms;

in an amount effective to disperse said fibers.

39.-40. (Canceled)

41. (Original) The method according to claim 38, wherein said cosmetic composition further comprises at least one liquid fatty phase.

42. (Original) The method according to claim 38, wherein said cosmetic composition further comprises at least one compound chosen from at least one polysaccharide resin and at least one copolymer film former chosen from di-block, tri-block, multi-block, and radial copolymers.

43. (Previously presented) The composition according to claim 1, wherein the at least one heteropolymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

44. (Previously presented) The composition according to claim 37, wherein the at least one heteropolymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

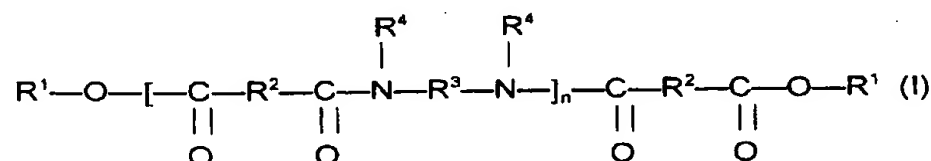
45. (Previously presented) The method according to claim 38, wherein the at least one heteropolymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.



PENDING CLAIMS  
U.S. Patent No. 6,432,391  
Attorney Docket No. 05725.0920-00000  
Filed: July 9, 2001

1. A product comprising:  
  
a transparent anhydrous solid composition cosmetic composition comprising a physiologically acceptable medium,  
  
wherein said physiologically acceptable medium comprises at least one odorous substance in an amount of at least 2 % by weight with respect to a total weight of the composition; and a liquid fatty phase comprising at least one polymer,  
  
wherein said at least one polymer has a weight-average molecular mass ranging from 1,000 to 30,000, and comprises a) a polymer backbone comprising hydrocarbonaceous repeat units comprising at least one heteroatom and b) at least one fatty chain chosen from pendant and end fatty chains, wherein said at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the hydrocarbonaceous repeat units.
2. The product according to Claim 1, wherein the liquid fatty phase comprises at least one polar oil and at least one nonpolar oil.
3. The product according to Claim 1, wherein said composition comprises at least one oil chosen from esters of C<sub>8</sub>-C<sub>24</sub> fatty acids and of at least one source of -OH chosen from polyols and C<sub>12</sub> to C<sub>26</sub> saturated fatty alcohols.
4. The product according to Claim 1, wherein said composition comprises octyldodecanol.

5. The product according to Claim 1, wherein at least one of the hydrocarbonaceous repeat units comprises at least one amide.
6. The product according to Claim 1, wherein the at least one polymer comprises the at least one fatty chain in an amount ranging from 40 to 98% of a total number of the repeat units with a heteroatom and of the at least one fatty chain.
7. The product according to Claim 1, wherein the at least one polymer comprises the at least one fatty chain in an amount ranging from 50 to 95% of a total number of the repeat units with a heteroatom and of the at least one fatty chain.
8. The product according to Claim 1, wherein the at least one fatty chain is bonded directly to at least one heteroatom in the polymer backbone.
9. The product according to Claim 1, wherein said at least one fatty chain comprises from 12 to 68 carbon atoms.
10. The composition according Claim 1, wherein the at least one polymer has a weight-average molecular mass ranging from 2,000 to 20,000.
11. The composition according Claim 1, wherein the at least one polymer has a weight-average molecular mass ranging from 2,000 to 10,000.
12. The product according to Claim 1, wherein the at least one polymer comprises at least one polymer of formula (I):



wherein n denotes a whole number of amide units, with the proviso that the polymer of formula (I) comprises ester groups in an amount ranging from 10 to 50% of a total number of ester and amide groups;

each  $R^1$  is, independently, chosen from alkyl and alkenyl groups comprising at least 4 carbon atoms;

each  $R^2$  is, independently, chosen from  $C_4$  to  $C_{42}$  hydrocarbonaceous groups, with the proviso that at least 50% of the  $R^2$  groups are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbonaceous group;

each  $R^3$  is, independently, chosen from organic groups comprising at least 2 carbon atoms, at least one hydrogen atom, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

each  $R^4$  is, independently, chosen from a hydrogen atom,  $C_1$  to  $C_{10}$  alkyl groups, and a direct bond to one of  $R^3$  and another  $R^4$  such that the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with the proviso that at least 50% of the  $R^4$  groups are chosen from a hydrogen atom.

13. The composition according Claim 12, wherein each  $R^1$  is, independently, chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

14. The product according to Claim 12, wherein each  $R^2$  is, independently, chosen from groups comprising from 30 to 42 carbon atoms.

15. The product according to Claim 1, wherein the at least one polymer is chosen from copolymers of a  $C_{36}$  diacid condensed with ethylenediamine, wherein said copolymers are

esterified with at least one of cetylstearyl alcohol and stearyl alcohol; polyamide resins resulting from the condensation of an aliphatic dicarboxylic acid and of a diamine, wherein carbonyl and amine groups of adjacent individual units are condensed via an amide bond; polyamides of fatty acid dimers and of aliphatic diamines; and polyamides comprising dimeric fatty acids.

16. The product according to Claim 1, wherein the composition comprises the at least one polymer in an amount ranging from 0.5 to 50% of the total weight of the composition.

17. The product according to Claim 1, wherein the composition comprises the at least one polymer in an amount ranging from 5 to 40% of the total weight of the composition.

18. The product according to Claim 1, wherein the at least one odorous substance comprises at least one of a fragrance and an aroma of natural and synthetic origins, and mixtures thereof.

19. The product according to Claim 1, wherein the composition comprises the at least one odorous substance in an amount ranging from 2 to 15% by weight with respect to the total weight of the composition.

20. The product according to Claim 1, wherein the composition comprises the at least one odorous substance in an amount ranging from 3 to 12% with respect to the total weight of the composition.

21. The composition according Claim 1, wherein the composition comprises the liquid fatty phase in an amount of at least 20% by weight with respect to a total weight of the composition.

22. The product according to Claim 1, wherein the composition comprises the liquid fatty phase in an amount ranging from 20 to 88.5% by weight with respect to the total weight of the composition.
23. The product according to Claim 1, wherein said cosmetic composition is configured for at least one of scenting, caring for, treating, and making up keratinous substances.
24. The product according to Claim 1, wherein said composition has a hardness with a strength ranging from 5 to 600 grams.
25. The product according to Claim 1, wherein said product comprises one of a transparent stick and a cast product.
26. The product according to Claim 1, wherein said cosmetic composition is configured as a cosmetic scenting product.
27. The product according to Claim 1, wherein said cosmetic composition is colored.
28. The product according to Claim 1, wherein said cosmetic composition comprises at least one particulate component.
29. A cosmetic process for the scenting of the keratinous substances of human beings, comprising applying to a keratinous substances a product comprising a transparent anhydrous solid composition cosmetic composition comprising a physiologically acceptable medium,
- wherein said physiologically acceptable medium comprises at least one odorous substance in an amount of at least 2 % by weight with respect to a total weight of the composition; and a liquid fatty phase comprising at least one polymer,

wherein said at least one polymer has a weight-average molecular mass ranging from 1,000 to 30,000, and comprises a) a polymer backbone comprising hydrocarbonaceous repeat units comprising at least one heteroatom and b) at least one fatty chain chosen from pendant and end fatty chains, wherein said at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the hydrocarbonaceous repeat units.

30. A product comprising:

a transparent anhydrous solid composition cosmetic composition comprising a physiologically acceptable medium,

wherein said physiologically acceptable medium comprises at least one odorous substance in an amount of at least 2 % by weight; and a liquid fatty phase comprising at least one polyamide,

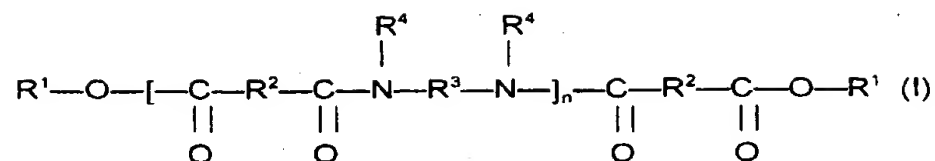
wherein said at least one polyamide has a weight-average molecular mass ranging from 1,000 to 30,000, and comprises a) a polymer backbone comprising amide repeat units and b) optionally at least one fatty chain chosen from pendant and end fatty chains, wherein said at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the amide units.

31. The product according to Claim 30, wherein the liquid fatty phase comprises at least one polar oil and at least one nonpolar oil.

32. The product according to Claim 30, wherein said composition comprises at least one oil chosen from esters of C<sub>8</sub>-C<sub>24</sub> fatty acids and of at least one source of -OH chosen from polyols and C<sub>12</sub> to C<sub>26</sub> saturated fatty alcohols.

33. The product according to Claim 30, wherein said composition comprises octyldodecanol.
34. The product according to Claim 30, wherein the at least one polyamide comprises at least one pendant fatty chain bonded directly to at least one nitrogen atom of the amide repeat units.
35. The product according to Claim 30, wherein the at least one polyamide comprises at least one end fatty chain bonded to the polymer backbone via at least one ester group.
36. The product according to Claim 30, wherein the at least one polyamide comprises the at least one fatty chain in an amount ranging from 40 to 98% of a total number of the amide units and of the at least one fatty chain.
37. The composition according Claim 30, wherein the at least one polyamide comprises the at least one fatty chain in an amount ranging from 50 to 95% of a total number of the amide units and of the at least one fatty chain.
38. The product according to Claim 30, wherein the at least one polyamide comprises said at least one fatty chain and said at least one fatty chain comprises from 12 to 68 carbon atoms.
39. The composition according Claim 30, wherein the at least one polyamide has a weight-average molecular mass ranging from 2,000 to 20,000.
40. The composition according Claim 30, wherein the at least one polyamide has a weight-average molecular mass ranging from 2,000 to 10,000.
41. The product according to Claim 30, wherein the at least one polyamide is chosen from polyamide of formula (I):





wherein n denotes a whole number of amide units, with the proviso that that the polymer of formula (I) comprises ester groups in an amount ranging from 10 to 50% of a total number of ester and amide groups;

each R<sup>1</sup> is, independently, chosen from alkyl and alkenyl groups comprising at least 4 carbon atoms;

each R<sup>2</sup> is, independently, chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbonaceous groups, with the proviso that at least 50% of the R<sup>2</sup> groups are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbonaceous group;

each R<sup>3</sup> is, independently, chosen from organic groups comprising at least 2 carbon atoms, at least one hydrogen atom, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

each R<sup>4</sup> is, independently, chosen from a hydrogen atom, C<sub>1</sub> to C<sub>10</sub> alkyl groups, and a direct bond to one of R<sup>3</sup> and another R<sup>4</sup> such that the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of the R<sup>4</sup> groups are chosen from a hydrogen atom.

42. The composition according Claim 41, wherein each R<sup>1</sup> is, independently, chosen from C<sub>12</sub> to C<sub>22</sub> alkyl groups.

43. The product according to Claim 41, wherein each  $R^2$  is, independently, chosen from groups comprising from 30 to 42 carbon atoms.
44. The product according to Claim 30, wherein the composition comprises the at least one polyamide in an amount ranging from 0.5 to 50% of the total weight of the composition.
45. The product according to Claim 30, wherein the composition comprises the at least one polyamide in an amount ranging from 5 to 40% of the total weight of the composition.
46. The product according to Claim 30, wherein the at least one odorous substance comprises at least one of a fragrance and an aroma of natural and synthetic origins, and mixtures thereof.
47. The product according to Claim 30, wherein the composition comprises the at least one odorous substance in an amount ranging from 2 to 15% by weight with respect to the total weight of the composition.
48. The product according to Claim 30, wherein the composition comprises the at least one odorous substance in an amount ranging from 3 to 12% with respect to the total weight of the composition.
49. The product according Claim 30, wherein the composition comprises the liquid fatty phase in an amount of at least 20% by weight with respect to a total weight of the composition.
50. The product according to Claim 30, wherein the composition comprises the liquid fatty phase in an amount ranging from 20 to 88.5% by weight with respect to the total weight of the composition.

51. The product according to Claim 30, wherein said cosmetic composition is configured for at least one of scenting, caring for, treating, and making up keratinous substances.
52. The product according to Claim 30, wherein said composition has a hardness with a strength ranging from 5 to 600 grams.
53. The product according to Claim 30, wherein said cosmetic composition comprises one of a transparent stick and a cast product.
54. The product according to Claim 30, wherein said cosmetic composition is configured as a cosmetic scenting product.
55. The product according to Claim 30, wherein said cosmetic composition is colored.
56. The product according to Claim 30, wherein said cosmetic composition comprises at least one particulate component.
57. A cosmetic process for the scenting of the keratinous substances of human beings, comprising applying to a keratinous substances a product comprising a transparent anhydrous solid composition cosmetic composition comprising a physiologically acceptable medium,
- wherein said physiologically acceptable medium comprises at least one odorous substance in an amount of at least 2 % by weight; and a liquid fatty phase comprising at least one polyamide,
- wherein said at least one polyamide has a weight-average molecular mass ranging from 1,000 to 30,000, and comprises a) a polymer backbone comprising amide repeat units and b) optionally at least one fatty chain chosen from pendant and end fatty chains,

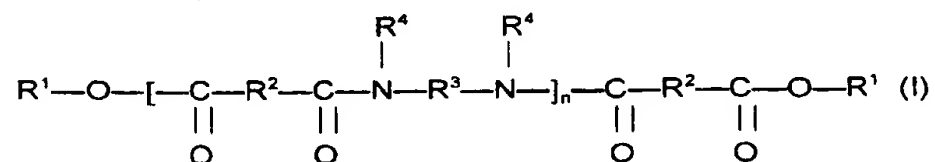
wherein said at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the amide units

58. A method of controlling a persistence of at least one odorous substance on a cosmetic substrate comprising:

incorporating the at least one odorous substance in a cosmetic composition comprising a physiologically acceptable medium comprising at least one polymer in an amount effective for controlling the persistence of the at least one odorous substance, wherein said at least one polymer has a weight-average molecular mass ranging from 1,000 to 30,000; and comprises a) a polymer backbone comprising hydrocarbonaceous repeat units comprising at least one heteroatom and b) at least one fatty chain chosen from pendant and end fatty chains, wherein said fatty chains are optionally functionalised, comprise from 12 to 120 carbon atoms, and are bonded to the hydrocarbonaceous repeat units; and

applying said cosmetic composition to said cosmetic substrate.

59. The method according to Claim 58, wherein said at least one polymer is chosen from polymers of formula (I):



wherein  $n$  denotes a whole number of amide units, with the proviso that that the polymer of formula (I) comprises ester groups in an amount ranging from 10 to 50% of a total number of ester and amide groups;

each  $R^1$  is, independently, chosen from alkyl and alkenyl groups comprising at least 4 carbon atoms;

each  $R^2$  is, independently, chosen from  $C_4$  to  $C_{42}$  hydrocarbonaceous groups, with the proviso that at least 50% of the  $R^2$  groups are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbonaceous group;

each  $R^3$  is, independently, chosen from organic groups comprising at least 2 carbon atoms, at least one hydrogen atom, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

each  $R^4$  is, independently, chosen from a hydrogen atom,  $C_1$  to  $C_{10}$  alkyl groups, and a direct bond to one of  $R^3$  and another  $R^4$  such that the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with the proviso that at least 50% of the  $R^4$  groups are chosen from a hydrogen atom.

60. The method according to Claim 58, wherein said controlling comprises enhancing the persistence of the least one odorous substance on the cosmetic substrate.

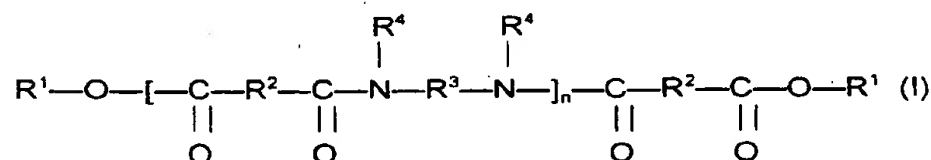
61. A method of controlling a persistence of at least one odorous substance on a cosmetic substrate comprising

incorporating the at least one odorous substance in a cosmetic composition comprising a physiologically acceptable medium comprising at least one polyamide in an amount effective for controlling the persistence of the at least one odorous substance,

wherein said at least one polyamide has a weight-average molecular mass ranging from 1,000 to 30,000, and comprises a) a polymer backbone comprising amide repeat units and b) optionally at least one fatty chain chosen from pendant and end fatty chains, wherein said pendant and end fatty chains are optionally functionalized pendant, comprise from 12 to 120 carbon atoms which, and are bonded to the amide units; and

applying said cosmetic composition to said cosmetic substrate.

62. The method according to Claim 61, wherein said at least one polymer is chosen from polymers of formula (I):



wherein n denotes a whole number of amide units, with the proviso that that the polymer of formula (I) comprises ester groups in an amount ranging from 10 to 50% of a total number of ester and amide groups;

each  $R^1$  is, independently, chosen from alkyl and alkenyl groups comprising at least 4 carbon atoms;

each  $R^2$  is, independently, chosen from  $C_4$  to  $C_{42}$  hydrocarbonaceous groups, with the proviso that at least 50% of the  $R^2$  groups are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbonaceous group;

each  $R^3$  is, independently, chosen from organic groups comprising at least 2 carbon atoms, at least one hydrogen atom, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

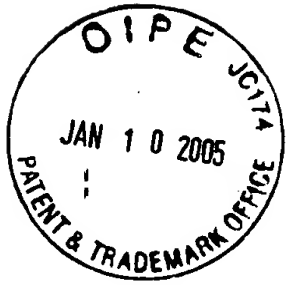
each  $R^4$  is, independently, chosen from a hydrogen atom,  $C_1$  to  $C_{10}$  alkyl groups, and a direct bond to one of  $R^3$  and another  $R^4$  such that the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with the proviso that at least 50% of the  $R^4$  groups are chosen from a hydrogen atom.

63. The method according to Claim 61, wherein said controlling comprises enhancing the persistence of the least one odorous substance on the cosmetic substrate.

**ABSTRACT OF THE DISCLOSURE**

A transparent and optionally colored solid cosmetic composition comprising, in a physiologically acceptable medium, at least one odorous substance in an amount effective for scenting a cosmetic substrate and a liquid fatty phase comprising at least one polymer, chosen from: (1) polymers with a weight-average molecular mass ranging from 1,000 to 30,000, comprising a) a polymer backbone having hydrocarbonaceous repeat units provided with at least one heteroatom and b) at least one fatty chain chosen from pendant and end fatty chains, where the at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the repeat units; and (2) polyamides with a weight-average molecular mass ranging from 1,000 to 30,000, comprising a) a polymer backbone comprising amide repeat units and b) optionally at least one fatty chain chosen from pendant and end fatty chains, where the at least one fatty chain is optionally functionalised; comprises from 12 to 120 carbon atoms; and is bonded to at least one of the amide units.





PENDING CLAIMS  
Application No.: 09/937,314  
Attorney Docket No. 05725.0932-00000  
Filed: September 24, 2001

Claims 1-145. (Canceled)

146. (Currently amended) A method for making up eyelashes comprising applying to said eyelashes a mascara comprising:

- (i) isododecane;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

147-154. (Canceled)

155. (New) A method for making up eyelashes comprising applying to said eyelashes a mascara comprising:

- (i) isododecane;
- (ii) at least one polymer chosen from ethylenediamine/stearyl dimer dilinoleate copolymer;
- (iii) water;
- (iv) at least one coloring agent; and
- (v) at least one preservative.

PENDING CLAIMS  
Application No. Not yet assigned  
Attorney Docket No. 05725.0932-01000  
Filed: November 22, 2004

1. (Original) A structured composition comprising at least one volatile solvent, the liquid fatty phase being structured by at least one polymer with a weight-average molecular mass of less than or equal to 100 000 comprising a) a polymer backbone having hydrocarbonaceous repeat units provided with at least one heteroatom and b) at least one optionally functionalized pendant and/or end fatty chain having from 6 to 120 carbon atoms which is bonded to these hydrocarbonaceous units, the liquid fatty phase and the polymer forming a physiologically acceptable medium.

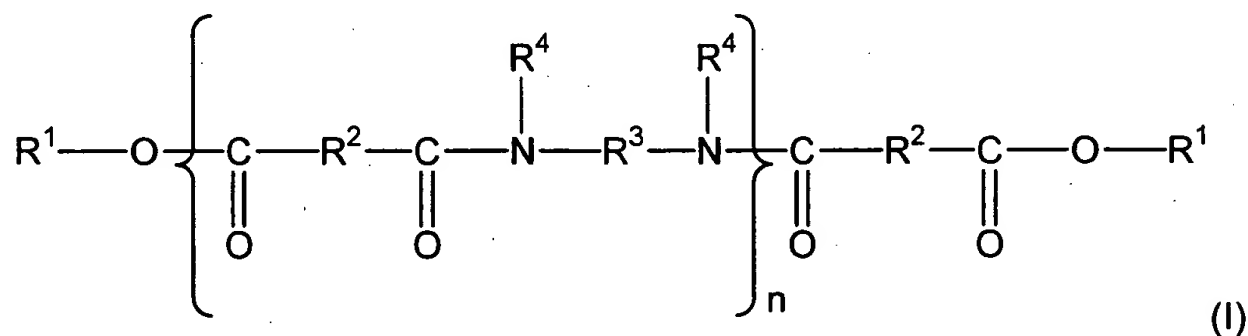
2-42. (Canceled).

PENDING CLAIMS  
 Application No. 10/012,029  
 Attorney Docket No. 05725.1003-00000  
 Filed: December 11, 2001

1-126. (Cancelled)

127. (Previously presented) A method of lengthening eyelashes, comprising:  
 applying to the eyelashes an effective amount of a mascara comprising a composition  
 comprising, in a physiologically acceptable medium:

at least one first polymer of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen; and

a dispersion of particles of at least one second polymer that is film-forming and insoluble in said medium.

128. (Cancelled)

129. (Previously presented) The method according to Claim 127, wherein the at least one first polymer has a weight-average molecular mass ranging from 1,000 to 30,000.

130. (Previously presented) The method according to claim 127, wherein the at least one first polymer is chosen from ethylene diamine/stearyl dimer tallate copolymer.

131. (Previously presented) The method according to claim 127, wherein  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon-based groups.

PENDING CLAIMS  
Application No. Not yet assigned  
Attorney Docket No. 05725.1003-01000  
Filed: November 22, 2004

Claim 1 (original): Composition comprising, in a physiologically acceptable medium, at least one first polymer with a weight-average molecular mass of less than 100,000, comprising a) a polymer skeleton containing hydrocarbon-based repeating units containing at least one hetero atom, and optionally b) at least one pendent fatty chain and/or at least one terminal fatty chain, which may be functionalized, containing from 6 to 120 carbon atoms and being linked to these hydrocarbon-based units, and a dispersion of particles of a second film-forming polymer that is insoluble in said medium.

Claims 2-56 (canceled).



PENDING CLAIMS  
Application No. 10/012,051  
Attorney Docket No. 05725.1004-00000  
Filed: December 11, 2001

Claims 1-142. (Cancelled)

143. A process for increasing the adhesion and/or expressly loading make-up on eyelashes, comprising applying to said eyelashes a mascara comprising:

(i) at least one polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;

(ii) water;

(iii) at least one coloring agent; and

(iv) at least one preservative;

wherein said mascara comprises a fatty phase, and

further wherein said applying said mascara increases the adhesion and/or expressly loads said mascara on the eyelashes.

144. The process according to claim 143, wherein said mascara further comprises at least one second polymer that is film-forming and different than the at least one polymer.

145. (Cancelled)

146. The process according to claim 144, wherein said at least one second polymer is hydroxyethylcellulose.

147. The process according to claim 143, wherein said fatty phase comprises at least one hydrocarbon-based oil.

148. The process according to claim 147, wherein said at least one hydrocarbon-based oil is isododecane.

149. The process according to claim 143, wherein said fatty phase comprises at least one silicone oil.



PENDING CLAIMS  
Application No. Not yet assigned  
Attorney Docket No. 05725.1004-01000  
Filed: November 18, 2004

1. (Original) The use of an effective amount of a first polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton containing hydrocarbon-based repeating units containing at least one hetero atom, and optionally b) at least one pendent fatty chain and/or at least one terminal fatty chain, which may be functionalized, containing from 6 to 120 carbon atoms and being linked to these hydrocarbon-based units, in a make-up composition comprising a physiologically acceptable medium containing a fatty phase, as an agent for increasing the speed of achieving a make-up result on keratin materials and/or for increasing the adhesion to said keratin materials and/or for rapidly increasing the amount of make-up deposited on the keratin materials.

2-76. (Cancelled)



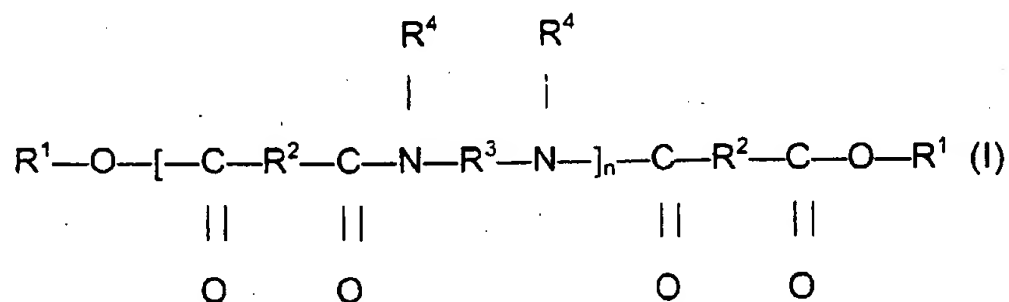


PENDING CLAIMS  
 Application No. 10/012,052  
 Attorney Docket No. 05725.1005-00000  
 Filed: December 11, 2001

1. - 113. (Canceled).

114. (Previously presented) A method of making up eyelashes comprising applying to said eyelashes a mascara composition comprising, in a physiologically acceptable aqueous medium:

- (i) at least one wax in the form of a wax-in-water emulsion
- (ii) at least one first polymer chosen from polymers of formula (I) below:



wherein:

n is a number of amide units such that the number of ester groups in formula (I) ranges from 10% to 50% of the total number of ester and amide groups;

R<sup>1</sup> is independently chosen from alkyl and alkenyl groups containing at least 4 carbon atoms;

R<sup>2</sup> is independently chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups, wherein 50% of the R<sup>2</sup> groups are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

R<sup>3</sup> is independently chosen from organic groups containing at least 2 carbon atoms, hydrogen, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

$R^4$  is independently chosen from hydrogen,  $C_1$  to  $C_{10}$  alkyl groups, and a direct bond to  $R^3$  or to another  $R^4$ , such that the nitrogen atom to which  $R^3$  and  $R^4$  are both attached forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , wherein at least 50% of the  $R^4$  groups are hydrogen;

- (ii) at least one coloring material; and
- (iii) at least one preservative.

115. (Previously presented) The method according to claim 114, wherein the at least one wax has a melting point ranging from greater than  $30^{\circ}\text{C}$  to  $120^{\circ}\text{C}$ .

116. (Previously presented) The method according to claim 114, wherein the at least one wax is chosen from beeswax, lanolin wax, Chinese insect wax, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fiber wax, sugar cane wax, Japan wax and sumac wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at  $40^{\circ}\text{C}$ , waxes obtained by catalytic hydrogenation of animal or vegetable oils containing groups chosen from linear and branched  $C_8$ - $C_{32}$  fatty chains, silicone waxes, and fluorinated waxes.

117. (Previously presented) The method according to claim 114, wherein the at least one wax has a hardness ranging from 0.05 MPa to 15 MPa.

118. (Previously presented) The method according to claim 114, wherein the mascara composition further comprises at least one second film-forming polymer other than the first polymer.

119. (Previously presented) The method according to claim 118, wherein the at least one second film-forming polymer is chosen from vinyl polymers, polyurethanes, polyesters, polyamides, polyureas, and cellulose polymers.

120. (Previously presented) The method according to claim 114, wherein the mascara composition further comprises an emulsifying surfactant.

121. (Previously presented) The method according to claim 114, wherein the mascara composition further comprises at least one organic solvent that is miscible with water.

122. (Previously presented) The method according to claim 114, wherein the mascara composition further comprises at least one thickening agent.

123. (Previously presented) A method of making up eyelashes comprising applying to said eyelashes a mascara composition comprising, in a physiologically acceptable aqueous medium:

- (i) at least one wax in the form of a wax-in-water emulsion;
- (ii) at least one first polymer chosen from ethylenediamine/stearyl dimer tallate copolymer;
- (iii) at least one coloring material; and
- (iv) at least one preservative.

124. (Previously presented) The method according to claim 123, wherein the at least one wax has a melting point ranging from greater than 30°C to 120°C.

125. (Previously presented) The method according to claim 123, wherein the at least one wax is chosen from beeswax, lanolin wax, Chinese insect wax, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fiber wax, sugar cane wax, Japan wax

and sumac wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, fatty acid esters and glycerides that are solid at 40°C, waxes obtained by catalytic hydrogenation of animal or vegetable oils containing groups chosen from linear and branched C<sub>8</sub>-C<sub>32</sub> fatty chains, silicone waxes, and fluorinated waxes.

126. (Previously presented) The method according to claim 123, wherein the at least one wax has a hardness ranging from 0.05 MPa to 15 MPa.

127. (Previously presented) The method according to claim 123, wherein the mascara composition further comprises at least one second film-forming polymer other than the first polymer.

128. (Previously presented) The method according to claim 127, wherein the at least one second film-forming polymer is chosen from vinyl polymers, polyurethanes, polyesters, polyamides, polyureas, and cellulose polymers.

129. (Previously presented) The method according to claim 123, wherein the mascara composition further comprises an emulsifying surfactant.

130. (Previously presented) The method according to claim 123, wherein the mascara composition further comprises at least one organic solvent that is miscible with water.

131. (Previously presented) The method according to claim 123, wherein the mascara composition further comprises at least one thickening agent.



PENDING CLAIMS  
Application No. 10/046,568  
Attorney Docket No. 05725.1018-00000  
Filed: January 16, 2002

1-97. (Canceled)

98. A cosmetic process for making up or nontherapeutically treating the nails of human beings, comprising:

applying to the nails of human beings an effective amount of a composition comprising:

a liquid organic phase comprising at least one volatile organic solvent and at least one first polymer with a weight-average molecular weight of less than or equal to 100,000 comprising:

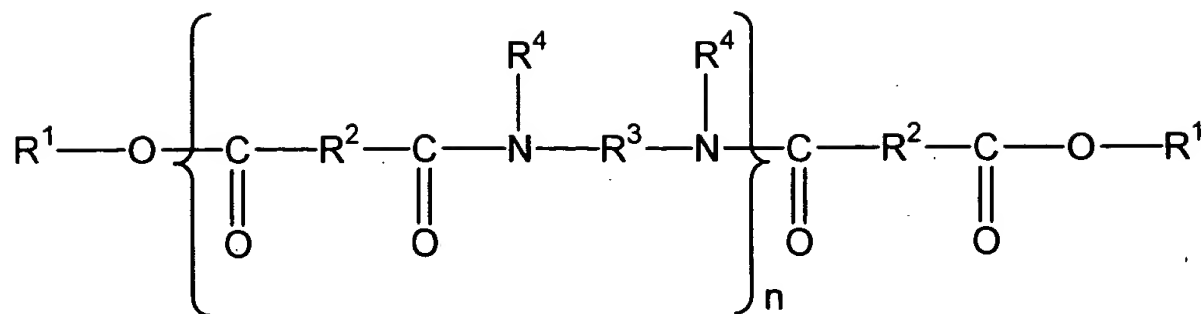
a) a polymer backbone comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said backbone, and

b) at least one fatty chain containing from 6 to 120 carbon atoms and chosen from at least one pendent fatty chain and at least one terminal fatty chain, wherein the at least one fatty chain is linked to the hydrocarbon-based units and is optionally functionalized,

wherein said at least one volatile organic solvent and said at least one first polymer are present in the composition in a combined amount effective to give a structured composition.

99-105. (Canceled)

106. (New) The cosmetic process according to claim 98, wherein the at least one first polymer is chosen from a polymer of formula (I) and mixtures thereof:



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which

both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

107. (New) The cosmetic process according to claim 106, wherein the at least one first polymer is chosen from ethylenediamine/stearyl dimer tallate copolymer.

108. (New) The cosmetic process according to claim 98, wherein said organic phase comprises at least one volatile organic solvent exhibiting mean Hansen solubility parameters  $dD$ ,  $dP$  and  $dH$  at  $25^\circ\text{C}$ , wherein  $dD$ ,  $dP$  and  $dH$  satisfy the following conditions:

$$15 (\text{J}/\text{cm}^3)^{1/2} \leq dD \leq 19 (\text{J}/\text{cm}^3)^{1/2}$$

$$dP \leq 10 (\text{J}/\text{cm}^3)^{1/2}; \text{ and}$$

$$dH \leq 10 (\text{J}/\text{cm}^3)^{1/2}.$$

109. (New) The cosmetic process according to claim 108, wherein  $dP \leq 5 (\text{J}/\text{cm}^3)^{1/2}$ .

110. (New) The cosmetic process according to claim 108, wherein  $dH \leq 9 (\text{J}/\text{cm}^3)^{1/2}$ .

111. (New) The cosmetic process according to claim 108, wherein  $dD$ ,  $dP$  and  $dH$  obey the relationship

$$\sqrt{4(17 - dD)^2 + dP^2 + dH^2} < L$$

wherein  $L$  is equal to  $10 (\text{J}/\text{cm}^3)^{1/2}$ .

112. (New) The cosmetic process according to claim 111, wherein  $L$  is equal to

9 (J/cm<sup>3</sup>)<sup>1/2</sup>.

113. (New) The cosmetic process according to claim 98, wherein the composition further comprises at least one second film-forming polymer.

114. (New) The cosmetic process according to claim 113, wherein the at least one second film-forming polymer is chosen from cellulose polymers, polyurethanes, acrylic polymers, vinyl polymers, polyvinylbutyrals, alkyd resins, resins resulting from aldehyde condensation products, and arylsulfonamide-epoxy resins.

115. (New) The cosmetic process according to claim 98, wherein the at least one volatile organic solvent is chosen from esters having from 4 to 8 carbon atoms and alkanes having from 6 to 10 carbon atoms.

116. (New) The cosmetic process according to claim 98, wherein the at least one volatile organic solvent is chosen from ethyl acetate, n-propyl acetate, isobutyl acetate, n-butyl acetate, and heptane.

117. (New) The cosmetic process according to claim 98, wherein the at least one volatile organic solvent is chosen from branched C<sub>8</sub>-C<sub>16</sub> alkanes, and branched C<sub>8</sub>-C<sub>16</sub> esters.

118. (New) The cosmetic process according to claim 98, wherein the volatile organic solvent is chosen from C<sub>8</sub>-C<sub>16</sub> isoparaffins, and isododecane.

119. (New) The cosmetic process according to claim 98, wherein the liquid organic phase additionally comprises at least one nonvolatile oil.

120. (New) The composition according to claim 98, wherein the composition further comprises at least one additive chosen from coloring materials, antioxidants,



preservatives, fragrances, fillers, waxes, neutralizing agents, cosmetic or dermatological active principles, dispersing agents, spreading agents, and sunscreens.



**PENDING CLAIMS**  
**Application No. 10/047,987**  
**Attorney Docket No. 05725.1020-00000**  
**Filed: January 17, 2002**

1.-147. (Canceled)

148. (New) A composition comprising at least one liquid fatty phase which comprises at least one fluoro oil, wherein the at least one liquid fatty phase is structured with at least one structuring polymer with a weight-average molecular mass of less than or equal to 1,000,000, comprising:

a) a polymer skeleton having hydrocarbon-based repeating units containing at least one hetero atom, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain,

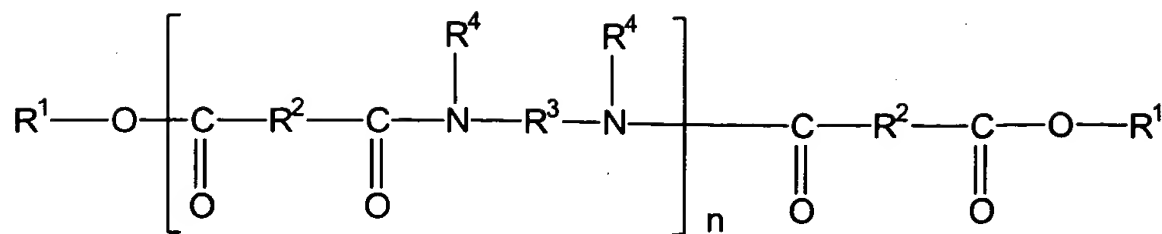
wherein the at least one fatty chain comprises from 6 to 120 carbon atoms, is linked to the hydrocarbon-based units, and is optionally functionalized, and

wherein the at least one liquid fatty phase and the at least one polymer form a physiologically acceptable medium.

149. (New) The composition according to claim 148, wherein the at least one hetero atom in the hydrocarbon-based repeating units of the polymer is a nitrogen atom.

150. (New) The composition according to claim 148, wherein the hydrocarbon-based repeating units are amide groups and said polymer skeleton is a polyamide skeleton.

151. (New) The composition according to claim 148, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

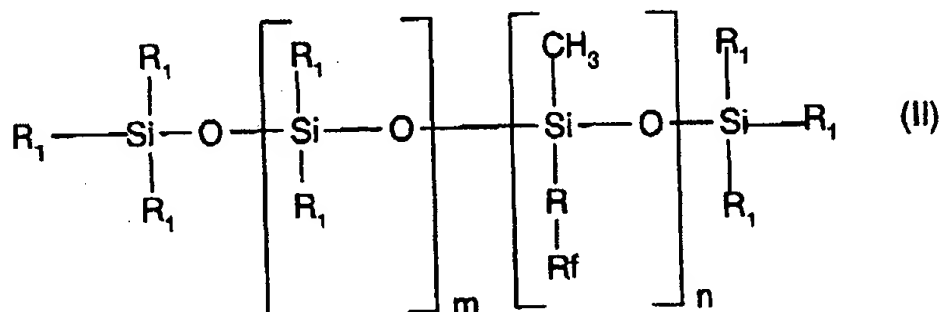
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups, with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

152. (New) The composition according to claim 148, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

153. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluorosilicone compounds of formula (II):



wherein:

R is chosen from linear and branched divalent alkyl groups containing from 1 to 6 carbon atoms;

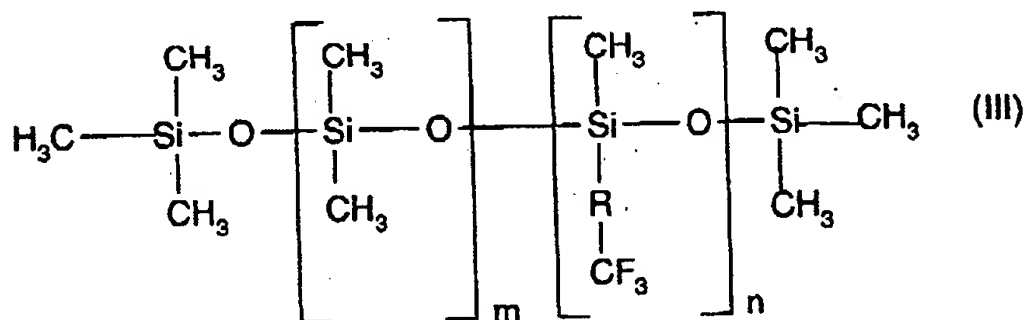
Rf is a fluoroalkyl radical containing from 1 to 9 carbon atoms;

R<sub>1</sub> is independently chosen from C<sub>1</sub>-C<sub>20</sub> alkyl radicals, hydroxyl radicals, and phenyl radicals;

m ranges from 0 to 150; and

n ranges from 1 to 300.

154. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluorosilicone compounds of formula (III) below:



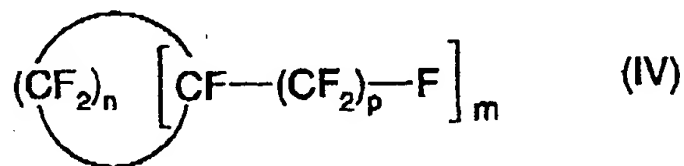
wherein:

R is chosen from divalent methyl, ethyl, propyl, and butyl groups;

m ranges from 0 to 80; and

n ranges from 1 to 30.

155. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from perfluorocycloalkyls of formula (IV):



wherein:

n is equal to 4 or 5;

m is equal to 1 or 2; and

p ranges from 1 to 3;

with the proviso that when  $m = 2$ , the  $(\text{CF}_2)_p-\text{F}$  groups are not necessarily alpha to each other.

156. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluoroalkyl and heterofluoroalkyl compounds of formula (V):



wherein:

t is 0 or 1;

n ranges from 0 to 3;

X is chosen from linear and branched divalent perfluoroalkyl radicals containing from 2 to 5 carbon atoms; and

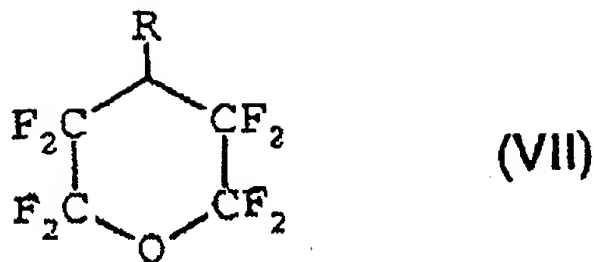
Z is chosen from O, S, NH,  $-(\text{CH}_2)_n-\text{CH}_3$ , wherein n is defined as above, and  $-(\text{CF}_2)_m-\text{CF}_3$ , wherein m ranges from 2 to 5.

157. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from perfluoroalkane compounds of formula (VI):



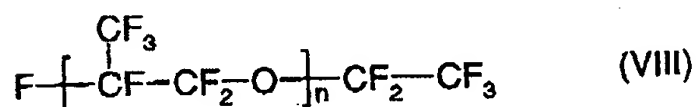
wherein n ranges from 2 to 6.

158. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from perfluoromorpholine derivatives of formula (VII):

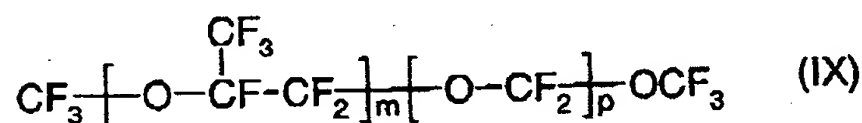


wherein R is chosen from C<sub>1</sub>-C<sub>4</sub> perfluoroalkyl radicals.

159. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from the perfluoropolyethers of formulae (VIII) and (IX):

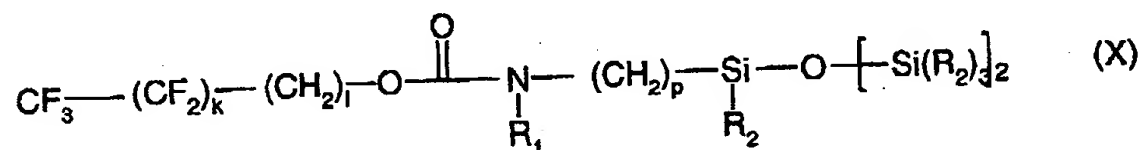


wherein n ranges from 7 to 30; and



wherein the ratio m/p ranges from 20 to 40, and the molecular weight ranges from 500 to 20,000.

160. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluorosilicone compounds of formula (X):



wherein:

k ranges from 1 to 17;

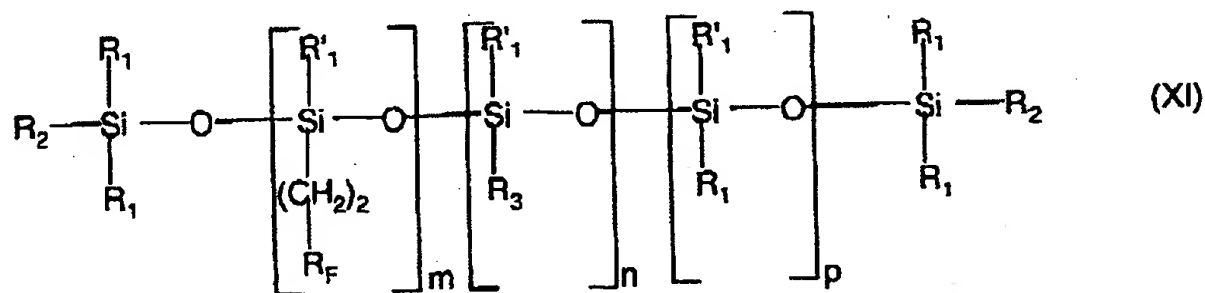
l ranges from 1 to 18;

p ranges from 1 to 6;

R<sub>1</sub> is chosen from hydrogen and C<sub>1</sub>-C<sub>6</sub> alkyl radicals;

R<sub>2</sub> is chosen from C<sub>1</sub>-C<sub>6</sub> alkyl radicals and -OSi(R<sub>3</sub>)<sub>3</sub>, R<sub>3</sub> being chosen from C<sub>1</sub>-C<sub>4</sub> alkyl radicals.

161. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluoroalkylsilicones of formula (XI):



wherein:

$R_1$  and  $R'_1$  are independently chosen from linear and branched alkyl radicals containing from 1 to 6 carbon atoms, and phenyl radicals;

$R_2$  is chosen from  $R_1$ ,  $-OH$ , and  $-(CH_2)_f-R_F$ ,  $f$  being an integer ranging from 0 to 10;

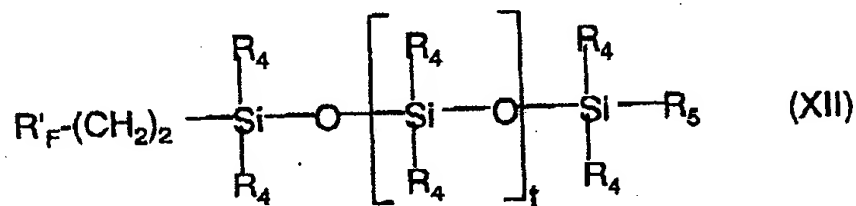
$R_3$  is chosen from linear and branched alkyl radicals containing from 6 to 22 carbon atoms;

$R_F$  is chosen from  $-(CF_2)_q-CF_3$ ,  $q$  being an integer ranging from 0 to 10;

$m$  and  $n$  are independently chosen from an integer ranging from 1 to 50; and

$p$  is an integer ranging from 0 to 2,000.

162. (New) The composition according to Claim 148, wherein the at least one fluoro oil is chosen from fluoroalkylsilicones of formula (XII):



wherein:

$R_4$  is chosen from linear and branched alkyl radicals containing from 1 to 6 carbon atoms, and phenyl radicals;

$R_5$  is chosen from linear and branched alkyl radicals containing from 6 to 22 carbon atoms, and phenyl radicals;

$R'_F$  is chosen from  $-(CF_2)_s-CF_3$ , wherein  $s$  is an integer ranging from 0 to 15; and

$t$  is an integer ranging from 1 to 2,000.

163. (New) The composition according to Claim 148, wherein the at least one fluoro oil is present in an amount ranging from 0.1% to 50% by weight, relative to the total weight of the composition.

164. (New) The composition according to Claim 148, further comprising at least one additional oil, other than the said at least one fluoro oil.

165. (New) The composition according to claim 148, wherein said at least one liquid fatty phase further comprises one additional non-volatile oil, other than said fluoro oil.

166. (New) The composition according to claim 148, further comprising at least one volatile solvent.

167. (New) The composition according to Claim 148, wherein the at least one liquid fatty phase further comprises an apolar oil.

168. (New) The composition according to Claim 148, wherein the at least one liquid fatty phase is present in an amount ranging from 5% to 99% by weight, relative to the total weight of the composition.

169. (New) The composition according to Claim 148, further comprising at least one dyestuff.

170. (New) The composition according to Claim 148, further comprising at least one additive chosen from water, antioxidants, essential oils, preserving agents, fragrances, fillers, waxes, fatty compounds that are pasty at room temperature, neutralizers, polymers that are liposoluble or dispersible in the physiologically acceptable medium, cosmetic agents, dermatological active agents, and dispersants.

171. (New) The composition according to claim 148, wherein the composition is in the form of a rigid gel or stick.

172. (New) The composition according to claim 148, wherein the composition is a cosmetic composition chosen from mascara, eyeliner, a foundation, a lipstick, a blusher, a deodorant product, a make-up-removing product, a body make-up product, an eye shadow, a face powder, a concealer product, a shampoo, a conditioner, an antisen product, a bodycare product, a facial care product, or a nail varnish.

173. (New) A process for caring for, making up, or treating a keratin material, comprising the application to the keratin material of a cosmetic composition comprising



at least one liquid fatty phase which comprises at least one fluoro oil, wherein the at least one liquid fatty phase is structured with at least one structuring polymer with a weight-average molecular mass of less than or equal to 1,000,000, comprising:

a) a polymer skeleton having hydrocarbon-based repeating units containing at least one hetero atom, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain,

wherein the at least one fatty chain comprises from 6 to 120 carbon atoms, is linked to the hydrocarbon-based units, and is optionally functionalized, and

wherein the at least one liquid fatty phase and the at least one polymer form a physiologically acceptable medium.

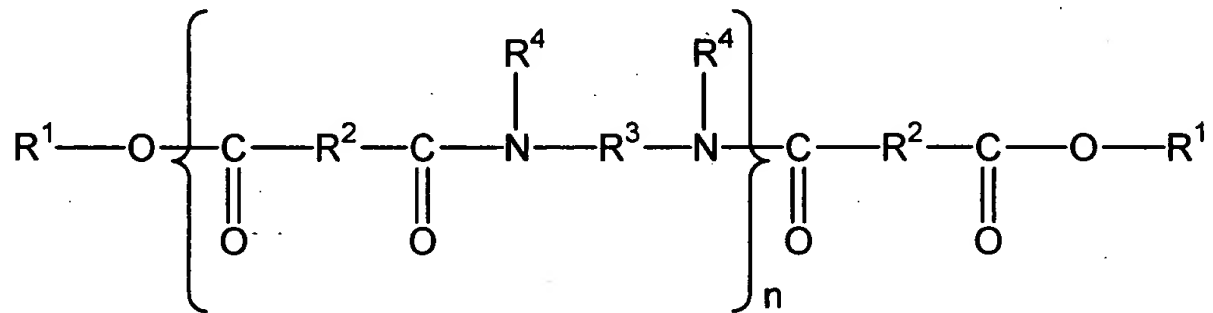


PENDING CLAIMS  
Application No. 10/312,083  
Attorney Docket No. 05725.1187  
Filed: December 23, 2002

1.-32. (Canceled).

33. (Canceled)

34. (Currently amended) A composition comprising an emulsion comprising an aqueous phase and a non-aqueous phase, wherein the non-aqueous phase is gelled with at least one polymer chosen from polyamides of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

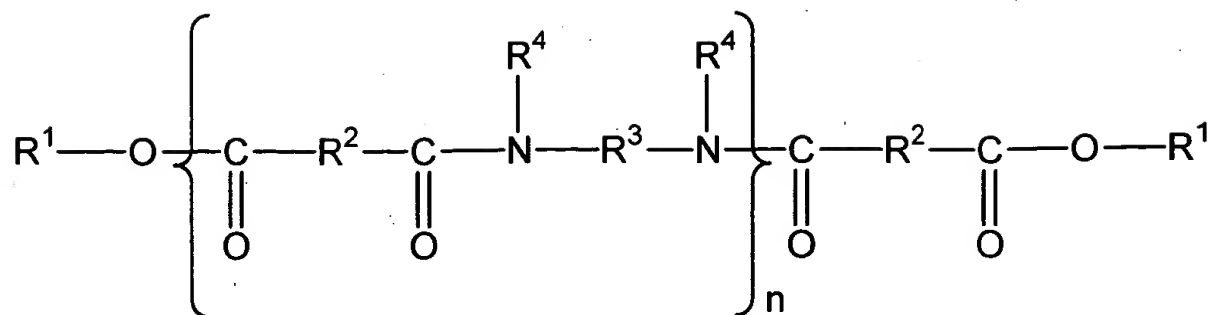
and at least one alkylene-oxide-containing emulsion stabilizer;

wherein said composition further comprises a color component present in an amount ranging from 0.5% to 30% by weight of the composition.

35. (Previously presented) The composition of claim 34 wherein the color component is present in an amount ranging from 5.0% to 30% by weight of the composition.

36.-38. (Canceled)

39. (Currently amended) A composition comprising an emulsion comprising an aqueous phase and a non-aqueous phase, wherein the non-aqueous phase is gelled with at least one polymer chosen from polyamides of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

and at least one alkylene-oxide-containing emulsion stabilizer;

wherein said composition further comprises a surfactant.

40. (Currently amended) The composition of claim 39 wherein the surfactant has an HLB greater than 7 and the emulsion is an O/W emulsion.

41. (Canceled)

42. (Previously presented) The composition of claim 34 in the form of a lipstick.

43. (Previously presented) The composition of claim 34 in the form of a mascara.

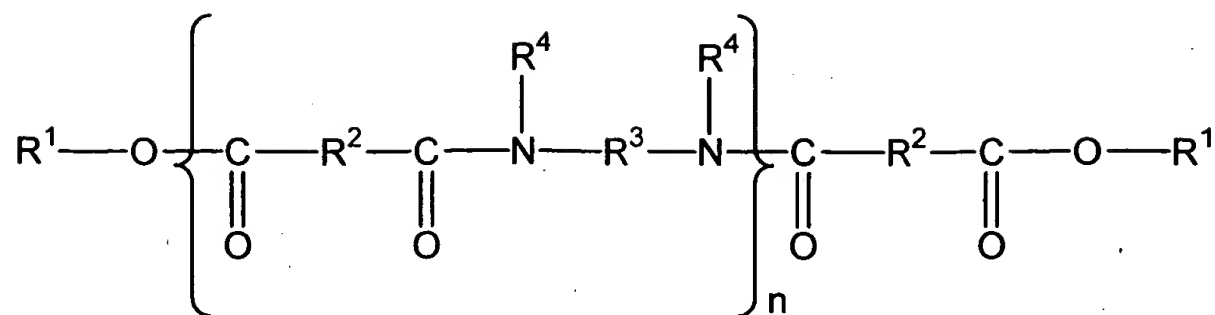
44. (Previously presented) The composition of claim 43 wherein said composition is wax-free.

45. (Currently amended) A stable cosmetic emulsion comprising:

(a) a colorant component present in an amount ranging from 0.5% to 30% by weight of the composition,

(b) an aqueous phase, and

(c) a non-aqueous phase, wherein the non-aqueous phase comprises at least a gelling-sufficient amount of at least one polymer chosen from polyamides of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

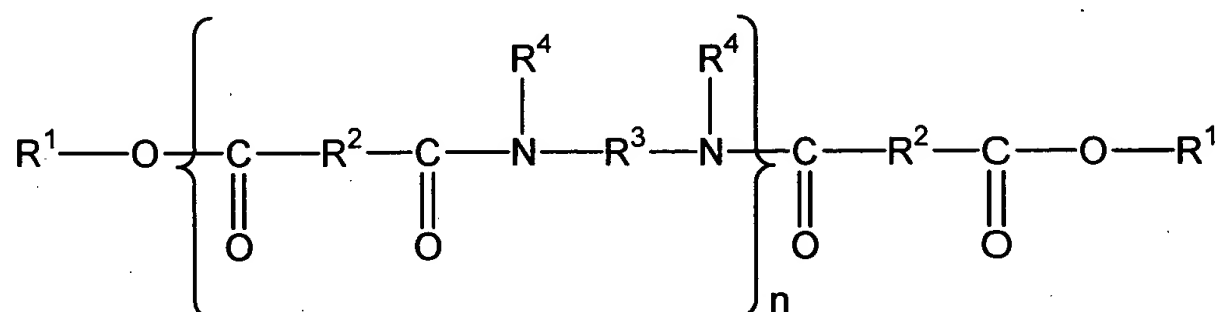
- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen;

and at least one ethylene-oxide containing surfactant.

46. (Previously presented) The emulsion of claim 45 wherein said emulsion is wax-free.

47. (Currently amended) A method of making a cosmetic composition comprising the steps of adding a gelling-sufficient amount of a polymer chosen from polyamides of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>36</sub> hydrocarbon-based groups; and

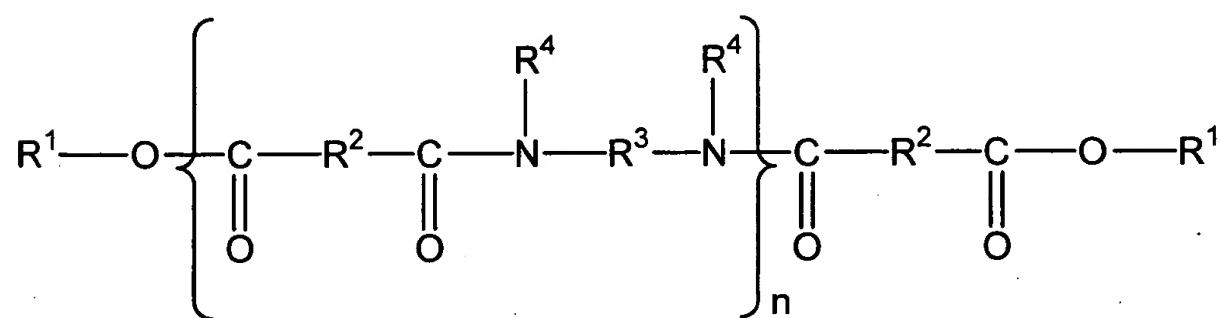
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen and C<sub>1</sub> to C<sub>10</sub> alkyl groups, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen,

to an emulsion comprising a non-aqueous phase and an aqueous phase, and dispersing the aqueous phase with the non-aqueous phase, at least one alkylene-oxide-containing emulsion stabilizer, and a colorant, wherein the colorant is present in an amount ranging from 0.5% to 30%.

48. (Previously presented) A method of making a cosmetic composition according to claim 47, wherein said composition further comprises one or more active agents.

49.-51. (Canceled).

52. (Currently amended) A cosmetic composition comprising an emulsion comprising an aqueous phase and a non-aqueous phase, wherein the non-aqueous phase is gelled with at least one polymer chosen from polyamides of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one structuring polymer ranges



from 10% to 50% of the total number of all said ester groups and all said amide groups comprised in said at least one structuring polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups with at least 4 carbon atoms and alkenyl groups with at least 4 carbon atoms;

- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

- $R^3$ , which are identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups; and

- $R^4$ , which are identical or different, are each chosen from hydrogen and  $C_1$  to  $C_{10}$  alkyl groups, with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen;

and at least one alkylene-oxide-containing emulsion stabilizer, and at least one color component present in an amount ranging from 0.01% to 50% by weight of the composition.



PENDING CLAIMS  
Application No. 10/450,108  
Attorney Docket No. 05725.1198  
Filed: June 11, 2003

- 5
1. Composition comprising, in a physiologically acceptable medium containing a fatty phase, at least one first polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton containing hydrocarbon-based repeating units containing at least one  
10 hetero atom, and optionally b) at least one pendent fatty chain and/or at least one terminal fatty chain, which may be functionalized, containing from 6 to 120 carbon atoms and being linked to these hydrocarbon-based units, and at least one or more fibres.
  - 15 2. Composition according to Claim 1, characterized in that the average molar mass of the first polymer is less than 100 000, preferably less than 50 000.
  3. Composition according to Claim 1 or 2, characterized in that the  
20 units containing a hetero atom of the first polymer comprise a nitrogen atom.
  4. Composition according to one of the preceding claims, characterized in that the units containing a hetero atom of the first polymer are amide  
25 groups.
  5. Composition according to one of the preceding claims, characterized in that the fatty chains represent from 40% to 98% and better still from 50% to 95% of the total number of units containing a hetero atom and of fatty  
30 chains.
  6. Composition according to one of the preceding claims, characterized in that the pendent fatty chains are linked directly to at least one of the said hetero atoms.

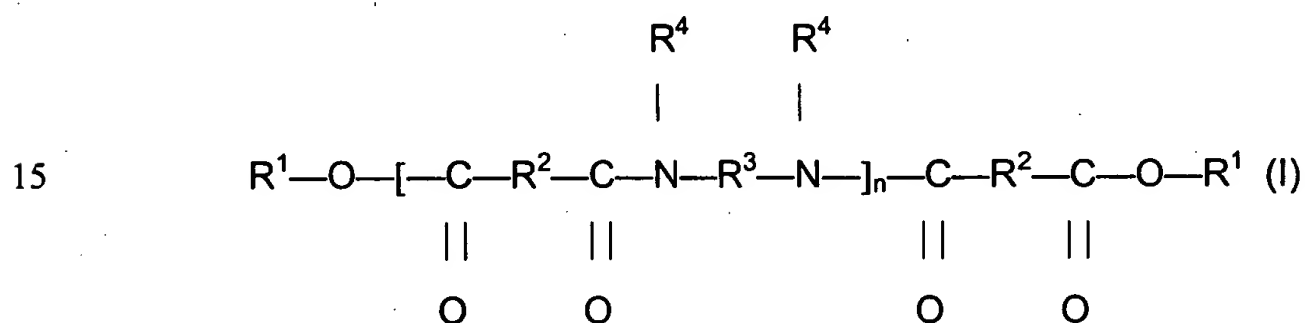
7. Composition comprising, in a physiologically acceptable medium comprising a fatty phase, at least one first polyamide polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton containing amide repeating units, and b) optionally at least one pendent fatty chain and/or at least one terminal fatty chain, which may be functionalized, containing from 6 to 120 carbon atoms and being linked to these amide units, and one or more fibres.
8. Composition according to the preceding claim, characterized in that the fatty chains represent from 40% to 98% of the total number of amide units and of fatty chains.
9. Composition according to Claim 7 or 8, characterized in that the fatty chains represent from 50% to 95% of the total number of amide units and of fatty chains.
10. Composition according to one of Claims 7 to 10, characterized in that the pendent fatty chains are linked directly to at least one of the nitrogen atoms of the amide units.
11. Composition according to one of the preceding claims, characterized in that the average molar mass of the first polymer ranges from 1 000 to 100 000, preferably from 1 000 to 50 000 and better still from 1 000 to 30 000.
12. Composition according to one of the preceding claims, characterized in that the weight-average molar mass of the first film-forming polymer ranges from 2 000 to 20 000 and preferably from 2 000 to 10 000.

13. Composition according to one of the preceding claims, characterized in that the terminal fatty chain(s) is (are) linked to the skeleton via bonding groups.

5 14. Composition according to Claim 13, characterized in that the bonding groups are ester groups.

15. Composition according to one of the preceding claims, characterized in that the fatty chain(s) contain(s) from 12 to 68 carbon atoms.

10 16. Composition according to one of the preceding claims, characterized in that the first polymer is chosen from polymers of formula (I) below, and mixtures thereof:



in which n denotes a number of amide units such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, independently in each case, an alkyl or alkenyl group containing at least 4 carbon atoms; R<sup>2</sup> represents, independently in each case, a C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based group, on condition that 50% of the groups R<sup>2</sup> represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based group; R<sup>3</sup> represents, independently in each case, an organic group containing at least 2 carbon atoms, hydrogen atoms and optionally one or more oxygen or nitrogen atoms; and R<sup>4</sup> represents, independently in each case, a hydrogen atom, a C<sub>1</sub> to C<sub>10</sub> alkyl group or a direct bond to R<sup>3</sup> or to another R<sup>4</sup>, such that the nitrogen atom to which R<sup>3</sup> and R<sup>4</sup> are both attached forms part of a heterocyclic structure defined by R<sup>4</sup>-N-R<sup>3</sup>, with at least 50% of the groups R<sup>4</sup> representing a hydrogen atom.

17. Composition according to the preceding claim, characterized in that  $R^1$  is a  $C_{12}$  to  $C_{22}$  alkyl group.
18. Composition according to either of Claims 15 and 16, characterized  
5 in that  $R^2$  are groups containing from 30 to 42 carbon atoms.
19. Composition according to one of the preceding claims, characterized in that the first polymer is present in a content ranging from 0.01% to 10% by weight, relative to the total weight of the composition, preferably ranging  
10 from 0.05% to 5% by weight and better still ranging from 0.1% to 3% by weight.
20. Composition according to one of the preceding claims, characterized in that the fibre(s) is(are) chosen from silk, cotton, wool or flax fibres,  
15 cellulose fibres extracted in particular from wood, plants or algae, polyamide, cork, sugar cane, rayon or viscose fibres, acetate fibres, in particular rayon acetate, cellulose acetate or silk acetate fibres, poly-(p-phenyleneterephthalamide) fibres, acrylic polymer fibres, in particular polymethyl methacrylate or poly-2-hydroxyethyl methacrylate fibres,  
20 polyolefin fibres and in particular polyethylene or polypropylene fibres, glass, silica or carbon fibres, in particular in graphite form, polytetrafluoroethylene, insoluble collagen, polyester, polyvinyl chloride or polyvinylidene chloride, polyvinyl alcohol, polyacrylonitrile, chitosan, polyurethane or polyethylene phthalate fibres, fibres formed from mixtures  
25 of polymers, and surgical fibres, and mixtures thereof.
21. Composition according to any one of the preceding claims, characterized in that the fibres are fibres of synthetic origin.
- 30 22. Composition according to one of the preceding claims, characterized in that the fibre(s) contain(s) a chemical group of the same chemical nature

as that of the units of the structuring polymer or a group capable of forming physical bonds of the same type as that of the units of the polymer.

23. Composition according to one of the preceding claims, characterized  
5 in that the fibre is hydrophobic-treated.

24. Composition according to any one of the preceding claims,  
characterized in that the fibres are polyamide fibres or poly-  
(p-phenyleneterephthamide) fibres.

10

25. Composition according to any one of the preceding claims,  
characterized in that the fibres have a length  $L$  and a diameter  $D$  such that  
 $L/D$  is chosen in the range from 1.5 to 2 500, preferably from 3.5 to 500 and  
better still from 5 to 150.

15

26. Composition according to any one of the preceding claims,  
characterized in that the fibres have a length ranging from 1 nm to 20 mm,  
preferably from 10 nm to 5 mm and more preferably from 0.1 mm to  
1.6 mm.

20

27. Composition according to one of the preceding claims, characterized  
in that the fibre is present in a content ranging from 0.1% to 40% by weight,  
relative to the total weight of the composition, preferably from 1% to 30%  
by weight and better still from 5% to 20% by weight.

25

28. Composition according to any one of the preceding claims,  
characterized in that it contains at least one wax.

29. Composition according to any one of the preceding claims,  
30 characterized in that it contains at least one wax having a melting point of  
greater than 30°C, which may be up to 120°C.



PENDING CLAIMS  
Application No. 10/466,166  
Attorney Docket No. 05725.1228  
Filed: July 14, 2003

5

1. Composition comprising, in a physiologically acceptable medium containing a fatty phase:

- (i) a first polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with hydrocarbon-based repeating
- 10 units containing at least one hetero atom, and optionally b) optionally functionalized pendent and/or terminal fatty chains containing from 6 to 120 carbon atoms, which are linked to these hydrocarbon-based units,
- (ii) an anionic film-forming polymer,
- (iii) a cationic film-forming polymer,

15 the said anionic and cationic film-forming polymers being different from the said first polymer.

2. Composition according to Claim 1, characterized in that the average molar mass of the first polymer is less than 50 000.

3. Composition according to Claim 1 or 2, characterized in

20 that the units containing a hetero atom of the first polymer are amide groups.

4. Composition according to any one of the preceding claims, characterized in that the fatty chains of the auxiliary polymer represent from 40% to 98% of the total number of units containing a hetero atom and of fatty chains.

25 5. Composition according to any one of the preceding claims, characterized in that the fatty chains of the first polymer represent from 50% to 95% of the total number of units containing a hetero atom and of fatty chains.

6. Composition according to any one of the preceding

30 claims, characterized in that the pendent fatty chains of the first polymer are linked directly to at least one of the said hetero atoms.

7. Composition containing, in a cosmetically acceptable medium:

- (i) a first polyamide polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with amide repeating units and b) optionally at least one optionally functionalized pendent fatty chain and/or at least one optionally functionalized terminal chain, containing from 6 to 120 carbon atoms, which are linked to these amide units,
  - (ii) an anionic film-forming polymer,
  - (iii) a cationic film-forming polymer,
- 10 the said anionic and cationic film-forming polymers being different from the said first polymer.

8. Composition according to Claim 6, characterized in that the fatty chains of the first polymer represent from 40% to 98% of the total number of amide units and of fatty chains.

- 15 9. Composition according to any one of Claims 6 to 8, characterized in that the fatty chains of the first polymer represent from 50% to 95% of the total number of amide units and of fatty chains.

10. Composition according to any one of Claims 6 to 9, characterized in that the pendent fatty chains of the first polymer are linked directly to at least one of the nitrogen atoms of the amide units.

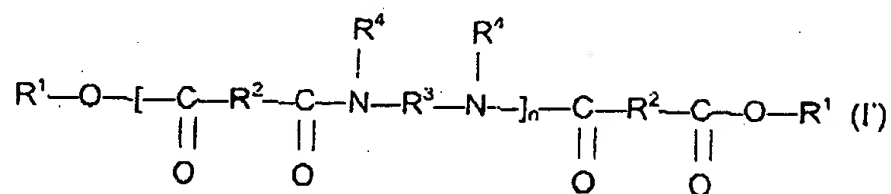
11. Composition according to any one of the preceding claims, characterized in that the weight-average molecular mass of the first polymer ranges from 2000 to 20 000 and better still from 2000 to 10 000.

12. Composition according to any one of the preceding claims, characterized in that the terminal fatty chains of the first polymer are linked to the skeleton via ester groups.

13. Composition according to any one of the preceding claims, characterized in that the fatty chains of the auxiliary polymer contain from 12 to 68 carbon atoms.



14. Composition according to any one of the preceding claims, characterized in that the first polymer is chosen from the polymers of formula (I') below, and mixtures thereof:



5

in which n denotes a number of amide units such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, independently in each case, an alkyl or alkenyl group containing at least 4 carbon atoms; R<sup>2</sup> represents, independently in each case, a C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based group, on condition that at least 50% of the groups R<sup>2</sup> represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based group; R<sup>3</sup> represents, independently in each case, an organic group containing at least 2 carbon atoms, hydrogen atoms and optionally one or more oxygen or nitrogen atoms; and R<sup>4</sup> represents, independently in each case, a hydrogen atom, a C<sub>1</sub> to C<sub>10</sub> alkyl group or a direct bond to R<sup>3</sup> or to another R<sup>4</sup>, such that the nitrogen atom to which R<sup>3</sup> and R<sup>4</sup> are both attached forms part of a heterocyclic structure defined by R<sup>4</sup>-N-R<sup>3</sup>, with at least 50% of the groups R<sup>4</sup> representing a hydrogen atom.

15. Composition according to Claim 14, characterized in that R<sup>1</sup> is a C<sub>12</sub> to C<sub>22</sub> alkyl group.

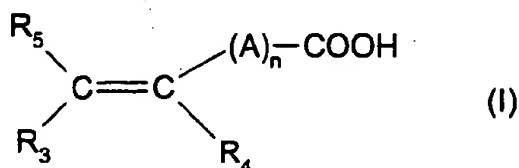
16. Composition according to Claim 14 or 15, characterized in that the radicals R<sup>2</sup> are groups containing from 30 to 42 carbon atoms.

17. Composition according to any one of the preceding claims, characterized in that the first polymer is present in a content ranging from 0.01% to 10% by weight, preferably ranging from 0.05% to 5% by weight

and better still ranging from 0.1% to 3% by weight, relative to the total weight of the composition.

18. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is chosen from:

- 5 - polymers comprising carboxylic units derived from unsaturated monocarboxylic or dicarboxylic acid monomers of formula (I):



- 10 in which n is an integer from 0 to 10, A denotes a methylene group, optionally connected to the carbon atom of the unsaturated group or to the neighbouring methylene group when n is greater than 1 via a hetero atom such as oxygen or sulphur, R<sub>5</sub> denotes a hydrogen atom or a phenyl or benzyl group, R<sub>3</sub> denotes a hydrogen atom or a lower alkyl or carboxyl group, and R<sub>4</sub> denotes a  
15 hydrogen atom, a lower alkyl group or a -CH<sub>2</sub>-COOH, phenyl or benzyl group,  
- polymers comprising units derived from sulphonic acid, such as vinylsulphonic, styrenesulphonic and acrylamidoalkylsulphonic units, and sulphonic polyesters, and  
- mixtures thereof.

- 20 19. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is chosen from:  
A) homo- or copolymers of acrylic or methacrylic acid or salts thereof, the sodium salts of copolymers of acrylic acid and of acrylamide, and the sodium salts of polyhydroxycarboxylic acids;  
25 B) copolymers of acrylic or methacrylic acids with a monoethylenic monomer such as ethylene, styrene, vinyl esters and acrylic or methacrylic acid esters, optionally grafted onto a polyalkylene glycol such as polyethylene glycol; copolymers of this type comprising in their chain an optionally

N-alkylated and/or hydroxyalkylated acrylamide unit, copolymers of acrylic acid and of C<sub>1</sub>-C<sub>4</sub> alkyl methacrylate and terpolymers of vinylpyrrolidone, of acrylic acid and of C<sub>1</sub>-C<sub>20</sub> alkyl methacrylate;

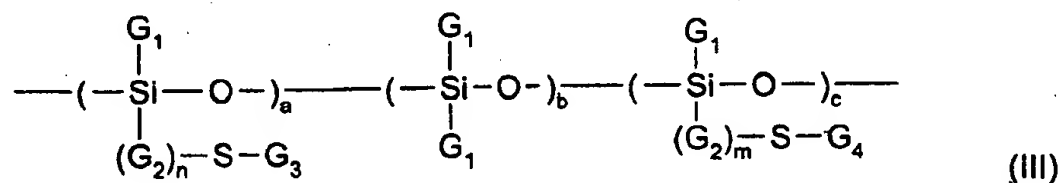
- C) copolymers derived from crotonic acid, such as those whose chain  
5 comprises vinyl acetate or propionate units and optionally other monomers such as allylic or methallylic esters, vinyl ether or vinyl ester of a saturated, linear or branched carboxylic acid containing a long hydrocarbon-based chain such as those comprising at least 5 carbon atoms, it being possible for these polymers to be optionally grafted;
- 10 D) polymers derived from maleic, fumaric or itaconic acids or anhydrides with vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives, acrylic acid and esters thereof; copolymers of maleic, citraconic or itaconic anhydrides and of an allylic or methallylic ester optionally comprising an acrylamide, methacrylamide,  $\alpha$ -olefin, acrylic or methacrylic ester, acrylic or methacrylic  
15 acid or vinylpyrrolidone group in their chain, the anhydride functions are monoesterified or monoamidated;
- E) polyacrylamides comprising carboxylate groups,
- F) deoxyribonucleic acid;
- G) copolymers of at least one dicarboxylic acid, of at least one diol and of  
20 at least one difunctional aromatic monomer bearing a group -SO<sub>3</sub>M with M representing a hydrogen atom, an ammonium ion NH<sub>4</sub><sup>+</sup> or a metal ion;  
- and mixtures thereof.

20. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is chosen from:
- 25 - acrylic or methacrylic acid homopolymers;
  - acrylic acid copolymers such as the acrylic acid/  
ethyl acrylate/N-tert-butylacrylamide terpolymer;
  - copolymers derived from crotonic acid, such as vinyl acetate/vinyl tert-butylbenzoate/crotonic acid terpolymers and crotonic acid/vinyl acetate/vinyl  
30 neodecanoate terpolymers;

- polymers derived from maleic, fumaric or itaconic acids or anhydrides with vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives or acrylic acid and esters thereof, such as methyl vinyl ether/monoesterified maleic anhydride copolymers;
- 5 - copolymers of methacrylic acid and of methyl methacrylate;
- copolymers of methacrylic acid and of ethyl acrylate;
- terpolymers of vinylpyrrolidone/acrylic acid/lauryl methacrylate;
- vinyl acetate/crotonic acid copolymers;
- vinyl acetate/crotonic acid/polyethylene glycol terpolymers;
- 10 - sulphopolyesters obtained by condensation of diethylene glycol, cyclohexanedimethanol, isophthalic acid and sulfoisophthalic acid,
- and mixtures thereof.

21. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is chosen from  
 15 anionic polymers of grafted silicone type comprising a polysiloxane portion and a portion consisting of a non-silicone organic chain, one of the two portions constituting the main chain of the polymer, the other being grafted onto the said main chain.

22. Composition according to Claim 21, characterized in that  
 20 the grafted silicone polymer is chosen from silicone polymers whose structure comprises the unit of formula (III) below:



25 in which the radicals  $G_1$ , which may be identical or different, represent hydrogen or a  $C_1$ - $C_{10}$  alkyl radical or alternatively a phenyl radical; the radicals  $G_2$ , which may be identical or different, represent a  $C_1$ - $C_{10}$  alkylene group;  $G_3$

represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated anionic monomer;  $G_4$  represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated hydrophobic monomer;  $m$  and  $n$  are equal to 0 or 1;  $a$  is an integer ranging from 0 to 50;  $b$  is an integer which can be between 10 and 350,  $c$  is an integer ranging from 0 to 50; with the proviso that one of the parameters  $a$  and  $c$  is other than 0.

23. Composition according to Claim 22, characterized in that the unit of formula (III) has at least one of the following characteristics:

- the radicals  $G_1$  denote a  $C_1$ - $C_{10}$  alkyl radical;
- $n$  is non-zero and the radicals  $G_2$  represent a divalent  $C_1$ - $C_3$  radical;
- $G_3$  represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as an ethylenically unsaturated carboxylic acid;
- $G_4$  represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as a  $C_1$ - $C_{10}$  alkyl (meth)acrylate.

24. Composition according to Claim 22 or 23, characterized in that the unit of formula (III) simultaneously has the following characteristics:

- the radicals  $G_1$  denote a methyl radical;
- $n$  is non-zero and the radicals  $G_2$  represent a propylene radical;
- $G_3$  represents a polymer radical resulting from the (homo)polymerization of at least acrylic acid and/or methacrylic acid;
- $G_4$  represents a polymer radical resulting from the (homo)polymerization of at least isobutyl or methyl (meth)acrylate.

25. Composition according to any one of the preceding claims, characterized in that the cationic film-forming polymer is chosen from quaternary cellulose ether derivatives, copolymers of cellulose with a water-

soluble quaternary ammonium monomer, cyclopolymers, cationic polysaccharides, cationic silicone polymers, quaternized or non-quaternized vinylpyrrolidone-dialkylaminoalkyl acrylate or methacrylate copolymers, quaternary polymers of vinylpyrrolidone and of vinylimidazole, and  
5 polyaminoamides, and mixtures thereof.

26. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is a poly(sodium methacrylate).

27. Composition according to any one of the preceding  
10 claims, characterized in that the cationic film-forming polymer is a hydroxy(C<sub>1</sub>-C<sub>4</sub>)alkylcellulose comprising quaternary ammonium groups.

28. Composition according to any one of the preceding claims, characterized in that the cationic film-forming polymer is present in a content ranging from 0.01% to 20% by weight, preferably from 0.01% to 15%  
15 by weight and even more preferentially from 0.05% to 5% by weight, relative to the total weight of the composition.

29. Composition according to any one of the preceding claims, characterized in that the anionic film-forming polymer is present in a content ranging from 0.01% to 20% by weight, preferably from 0.05% to 15%  
20 by weight and even more preferentially from 0.1% to 7% by weight, relative to the total weight of the composition.

30. Composition according to any one of the preceding claims, characterized in that it also comprises a wax.

31. Composition according to Claim 30, characterized in that  
25 the wax is chosen from the group formed by beeswax, lanolin wax, Chinese insect waxes, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fibre wax, sugar cane wax, Japan wax, sumach wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes and the waxes obtained by Fisher-Tropsch synthesis, fatty acid esters  
30 of glycerides that are solid at 40°C, the waxes obtained by catalytic

hydrogenation of animal or plant oils containing linear or branched C<sub>8</sub>-C<sub>32</sub> fatty chains, silicone waxes and fluoro waxes, and mixtures thereof.

32. Composition according to Claim 30 or 31, characterized in that the wax is present in a content ranging from 0.1% to 50% by weight, preferably from 0.5% to 40% by weight and better still from 1% to 30% by weight, relative to the total weight of the composition.

33. Composition according to any one of the preceding claims, characterized in that the fatty phase comprises at least one oil chosen from the group formed by hydrocarbon-based oils, fluoro oils and/or silicone oils of mineral, animal, plant or synthetic origin, alone or as a mixture.

34. Composition according to any one of the preceding claims, characterized in that the fatty phase comprises at least one volatile oil.

35. Composition according to any one of the preceding claims, characterized in that the fatty phase comprises a volatile oil chosen from hydrocarbon-based volatile oils containing from 8 to 16 carbon atoms.

36. Composition according to Claim 34 or 35, characterized in that the volatile oil is present in a content ranging from 0.1% to 98% by weight and preferably from 1% to 65% by weight, relative to the total weight of the composition.

37. Composition according to any one of the preceding claims, characterized in that the composition comprises an aqueous phase containing water or a mixture of water and of water-miscible organic solvent.

38. Composition according to any one of the preceding claims, characterized in that the composition contains at least one dyestuff.

39. Composition according to Claim 38, characterized in that the dyestuff is chosen from pigments, nacles, water-soluble dyes and liposoluble dyes, and mixtures thereof.

40. Composition according to Claim 38 or 39, characterized in that the dyestuff is present in a proportion of from 0.01% to 30% of the total weight of the composition.

41. Composition according to any one of the preceding claims, characterized in that the composition contains at least one additive chosen from surfactants, thickeners, antioxidants, fillers, preserving agents, fragrances, neutralizers and cosmetic or dermatological active agents, and  
5 mixtures thereof.

42. Composition according to any one of the preceding claims, characterized in that the composition is in the form of a mascara, a product for the eyebrows or a product for the hair.

43. Mascara comprising a composition according to any one  
10 of Claims 1 to 41.

44. Non-therapeutic makeup or care process for keratin materials, especially keratin fibres, comprising the application to the keratin materials of a composition according to any one of the preceding claims.

45. Use of a composition according to any one of Claims 1 to  
15 42, to obtain a deposit that adheres to keratin materials and/or to obtain a fast makeup result on keratin materials.

46. Use of a mascara according to Claim 43, to thicken the eyelashes.

47. Use of the combination of  
20 - (i) a first polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with hydrocarbon-based repeating units containing at least one hetero atom, and optionally b) optionally functionalized pendent and/or terminal fatty chains containing from 6 to 120 carbon atoms, which are linked to these hydrocarbon-based units,  
25 - (ii) an anionic film-forming polymer,  
- (iii) a cationic film-forming polymer,  
the said anionic and cationic film-forming polymers being different from the said first polymer, in a makeup composition comprising a physiologically acceptable medium containing a fatty phase,



to obtain a deposit that adheres to the keratin materials and/or a fast makeup result on keratin materials and/or to thicken the eyelashes.

48. Use according to Claim 47, characterized in that the average molar mass of the first polymer is less than 50 000.

5 49. Use according to Claim 47 or 48, characterized in that the units containing a hetero atom of the first polymer are amide groups.

50. Use according to any one of Claims 47 to 49, characterized in that the fatty chains of the auxiliary polymer represent from 40% to 98% of the total number of units containing a hetero atom and of fatty  
10 chains.

51. Use according to any one of Claims 47 to 50, characterized in that the fatty chains of the first polymer represent from 50% to 95% of the total number of units containing a hetero atom and of fatty chains.

52. Use according to any one of Claims 47 to 51, characterized in that the pendent fatty chains of the first polymer are linked  
15 directly to at least one of the said hetero atoms.

53. Use of the combination of:  
- (i) a first polyamide polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with amide repeating units  
20 and b) optionally at least one optionally functionalized pendent fatty chain and/or at least one optionally functionalized terminal chain, containing from 6 to 120 carbon atoms, which are linked to these amide units,

- (ii) an anionic film-forming polymer,

- (iii) a cationic film-forming polymer,

25 the said anionic and cationic film-forming polymers being different from the said first polymer,

to obtain a deposit that adheres to the keratin materials and/or a fast makeup result on keratin materials and/or to thicken the eyelashes.

54. Use according to Claim 53, characterized in that the fatty chains of the first polymer represent from 40% to 98% of the total number of amide units and of fatty chains.

55. Use according to either of Claims 53 and 54,  
5 characterized in that the fatty chains of the first polymer represent from 50% to 95% of the total number of amide units and of fatty chains.

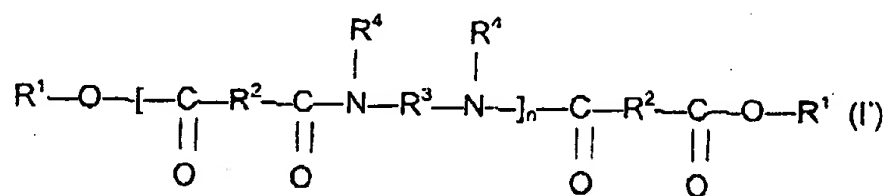
56. Use according to any one of Claims 53 to 55, characterized in that the pendent fatty chains of the first polymer are linked directly to at least one of the nitrogen atoms of the amide units.

10 57. Use according to any one of Claims 47 to 56, characterized in that the weight-average molecular mass of the first polymer ranges from 2000 to 20 000 and better still from 2000 to 10 000.

58. Use according to any one of Claims 47 to 57,  
15 characterized in that the terminal fatty chains of the first polymer are linked to the skeleton via ester groups.

59. Use according to any one of Claims 47 to 58, characterized in that the fatty chains of the auxiliary polymer contain from 12 to 68 carbon atoms.

60. Use according to any one of Claims 47 to 59,  
20 characterized in that the first polymer is chosen from the polymers of formula (I') below, and mixtures thereof:



25 in which n denotes a number of amide units such that the number of ester groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, independently in each case, an alkyl or alkenyl group containing

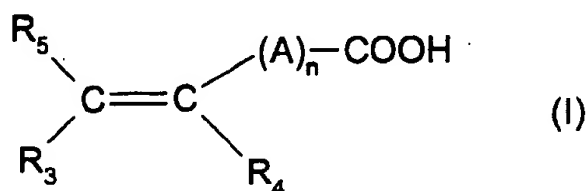
at least 4 carbon atoms;  $R^2$  represents, independently in each case, a  $C_4$  to  $C_{42}$  hydrocarbon-based group, on condition that at least 50% of the groups  $R^2$  represent a  $C_{30}$  to  $C_{42}$  hydrocarbon-based group;  $R^3$  represents, independently in each case, an organic group containing at least 2 carbon atoms, hydrogen atoms and optionally one or more oxygen or nitrogen atoms; and  $R^4$  represents, independently in each case, a hydrogen atom, a  $C_1$  to  $C_{10}$  alkyl group or a direct bond to  $R^3$  or to another  $R^4$ , such that the nitrogen atom to which  $R^3$  and  $R^4$  are both attached forms part of a heterocyclic structure defined by  $R^4-N-R^3$ , with at least 50% of the groups  $R^4$  representing a hydrogen atom.

61. Use according to Claim 60, characterized in that  $R^1$  is a  $C_{12}$  to  $C_{22}$  alkyl group.

62. Use according to Claim 60 or 61, characterized in that the radicals  $R^2$  are groups containing from 30 to 42 carbon atoms.

63. Use according to any one of Claims 47 to 62, characterized in that the first polymer is present in the composition in a content ranging from 0.01% to 10% by weight, preferably ranging from 0.05% to 5% by weight and better still ranging from 0.1% to 3% by weight, relative to the total weight of the composition.

64. Use according to any one of Claims 47 to 63, characterized in that the anionic film-forming polymer is chosen from:  
- polymers comprising carboxylic units derived from unsaturated monocarboxylic or dicarboxylic acid monomers of formula (I):



in which  $n$  is an integer from 0 to 10,  $A$  denotes a methylene group, optionally connected to the carbon atom of the unsaturated group or to the neighbouring

methylene group when  $n$  is greater than 1 via a hetero atom such as oxygen or sulphur,  $R_5$  denotes a hydrogen atom or a phenyl or benzyl group,  $R_3$  denotes a hydrogen atom or a lower alkyl or carboxyl group, and  $R_4$  denotes a hydrogen atom, a lower alkyl group or a  $-CH_2-COOH$ , phenyl or benzyl group,

- 5 - polymers comprising units derived from sulphonic acid, such as vinylsulphonic, styrenesulphonic and acrylamidoalkylsulphonic units, and sulphonic polyesters, and  
- mixtures thereof.

65. Use according to any one of Claims 47 to 64,
- 10 characterized in that the anionic film-forming polymer is chosen from:
- A) homo- or copolymers of acrylic or methacrylic acid or salts thereof, the sodium salts of copolymers of acrylic acid and of acrylamide, and the sodium salts of polyhydroxycarboxylic acids;
- 15 B) copolymers of acrylic or methacrylic acids with a monoethylenic monomer such as ethylene, styrene, vinyl esters and acrylic or methacrylic acid esters, optionally grafted onto a polyalkylene glycol such as polyethylene glycol; copolymers of this type comprising in their chain an optionally N-alkylated and/or hydroxyalkylated acrylamide unit, copolymers of acrylic acid and of  $C_1-C_4$  alkyl methacrylate and terpolymers of vinylpyrrolidone, of
- 20 acrylic acid and of  $C_1-C_{20}$  alkyl methacrylate;
- C) copolymers derived from crotonic acid, such as those whose chain comprises vinyl acetate or propionate units and optionally other monomers such as allylic or methallylic esters, vinyl ether or vinyl ester of a saturated, linear or branched carboxylic acid containing a long hydrocarbon-based chain
- 25 such as those comprising at least 5 carbon atoms, it being possible for these polymers to be optionally grafted;
- D) polymers derived from maleic, fumaric or itaconic acids or anhydrides with vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives, acrylic acid and esters thereof; copolymers of maleic, citraconic or itaconic anhydrides and
- 30 of an allylic or methallylic ester optionally comprising an acrylamide,

methacrylamide,  $\alpha$ -olefin, acrylic or methacrylic ester, acrylic or methacrylic acid or vinylpyrrolidone group in their chain, the anhydride functions are monoesterified or monoamidated;

E) polyacrylamides comprising carboxylate groups,

5 F) deoxyribonucleic acid;

G) copolymers of at least one dicarboxylic acid, of at least one diol and of at least one difunctional aromatic monomer bearing a group  $-\text{SO}_3\text{M}$  with M representing a hydrogen atom, an ammonium ion  $\text{NH}_4^+$  or a metal ion;  
- and mixtures thereof.

10 66. Use according to any one of Claims 47 to 65,  
characterized in that the anionic film-forming polymer is chosen from:

- acrylic or methacrylic acid homopolymers;  
- acrylic acid copolymers such as the acrylic acid/  
ethyl acrylate/N-tert-butylacrylamide terpolymer;

15 - copolymers derived from crotonic acid, such as vinyl acetate/vinyl tert-butylbenzoate/crotonic acid terpolymers and crotonic acid/vinyl acetate/vinyl neodecanoate terpolymers;

- polymers derived from maleic, fumaric or itaconic acids or anhydrides with vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives or acrylic acid  
20 and esters thereof, such as methyl vinyl ether/monoesterified maleic anhydride copolymers;

- copolymers of methacrylic acid and of methyl methacrylate;

- copolymers of methacrylic acid and of ethyl acrylate;

- terpolymers of vinylpyrrolidone/acrylic acid/lauryl methacrylate;

25 - vinyl acetate/crotonic acid copolymers;

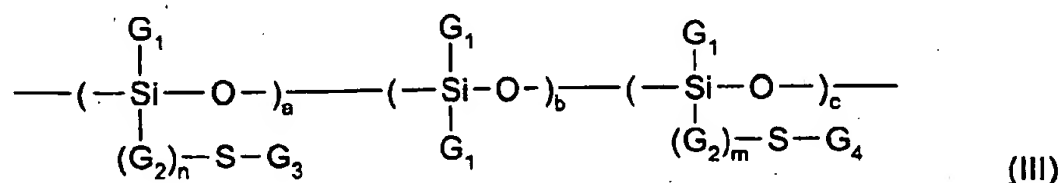
- vinyl acetate/crotonic acid/polyethylene glycol terpolymers;

- sulphopolyesters obtained by condensation of diethylene glycol, cyclohexanedimethanol, isophthalic acid and sulfoisophthalic acid,

- and mixtures thereof.

67. Use according to any one of Claims 47 to 66, characterized in that the anionic film-forming polymer is chosen from anionic polymers of grafted silicone type comprising a polysiloxane portion and a portion consisting of a non-silicone organic chain, one of the two portions constituting the main chain of the polymer, the other being grafted onto the said main chain.

68. Use according to Claim 67, characterized in that the grafted silicone polymer is chosen from silicone polymers whose structure comprises the unit of formula (III) below:



in which the radicals  $G_1$ , which may be identical or different, represent hydrogen or a  $C_1$ - $C_{10}$  alkyl radical or alternatively a phenyl radical; the radicals  $G_2$ , which may be identical or different, represent a  $C_1$ - $C_{10}$  alkylene group;  $G_3$  represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated anionic monomer;  $G_4$  represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated hydrophobic monomer;  $m$  and  $n$  are equal to 0 or 1;  $a$  is an integer ranging from 0 to 50;  $b$  is an integer which can be between 10 and 350,  $c$  is an integer ranging from 0 to 50; with the proviso that one of the parameters  $a$  and  $c$  is other than 0.

69. Use according to Claim 68, characterized in that the unit of formula (III) has at least one of the following characteristics:

- the radicals  $G_1$  denote a  $C_1$ - $C_{10}$  alkyl radical;
- $n$  is non-zero and the radicals  $G_2$  represent a divalent  $C_1$ - $C_3$  radical;

- G<sub>3</sub> represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as an ethylenically unsaturated carboxylic acid;

5 - G<sub>4</sub> represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as a C<sub>1</sub>-C<sub>10</sub> alkyl (meth)acrylate.

70. Use according to Claim 68 or 69, characterized in that the unit of formula (III) simultaneously has the following characteristics:

10 - the radicals G<sub>1</sub> denote a methyl radical;  
- n is non-zero and the radicals G<sub>2</sub> represent a propylene radical;

- G<sub>3</sub> represents a polymer radical resulting from the (homo)polymerization of at least acrylic acid and/or methacrylic acid;

15 - G<sub>4</sub> represents a polymer radical resulting from the (homo)polymerization of at least isobutyl or methyl (meth)acrylate.

71. Use according to any one of Claims 47 to 70, characterized in that the cationic film-forming polymer is chosen from quaternary cellulose ether derivatives, copolymers of cellulose with a water-soluble quaternary ammonium monomer, cyclopolymers, cationic  
20 polysaccharides, cationic silicone polymers, quaternized or non-quaternized vinylpyrrolidone-dialkylaminoalkyl acrylate or methacrylate copolymers, quaternary polymers of vinylpyrrolidone and of vinylimidazole, and polyaminoamides, and mixtures thereof.

72. Use according to any one of Claims 47 to 71,  
25 characterized in that the anionic film-forming polymer is a poly(sodium methacrylate).

73. Use according to any one of Claims 47 to 72, characterized in that the cationic film-forming polymer is a hydroxy(C<sub>1</sub>-C<sub>4</sub>)alkylcellulose comprising quaternary ammonium groups.

74. Use according to any one of Claims 47 to 73, characterized in that the cationic film-forming polymer is present in the composition in a content ranging from 0.01% to 20% by weight, preferably from 0.01% to 15% by weight and even more preferentially from 0.05% to 5%  
5 by weight, relative to the total weight of the composition.

75. Use according to any one of Claims 47 to 74, characterized in that the anionic film-forming polymer is present in the composition in a content ranging from 0.01% to 20% by weight, preferably from 0.05% to 15% by weight and even more preferentially from 0.1% to 7%  
10 by weight, relative to the total weight of the composition.

76. Use according to any one of Claims 47 to 75, characterized in that the composition comprises a wax.

77. Use according to Claim 76, characterized in that the wax is chosen from the group formed by beeswax, lanolin wax, Chinese insect  
15 waxes, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fibre wax, sugar cane wax, Japan wax, sumach wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes and the waxes obtained by Fisher-Tropsch synthesis, fatty acid esters of glycerides that are solid at 40°C, the waxes obtained by catalytic  
20 hydrogenation of animal or plant oils containing linear or branched C<sub>8</sub>-C<sub>32</sub> fatty chains, silicone waxes and fluoro waxes, and mixtures thereof.

78. Use according to Claim 76 or 77, characterized in that the wax is present in a content ranging from 0.1% to 50% by weight, preferably from 0.5% to 40% by weight and better still from 1% to 30% by weight, relative  
25 to the total weight of the composition.

79. Use according to any one of Claims 47 to 78, characterized in that the fatty phase comprises at least one oil chosen from the group formed by hydrocarbon-based oils, fluoro oils and/or silicone oils of mineral, animal, plant or synthetic origin, alone or as a mixture.



80. Use according to any one of Claims 47 to 79, characterized in that the fatty phase comprises at least one volatile oil.

81. Use according to any one of Claims 45 to 80, characterized in that the fatty phase comprises a volatile oil chosen from  
5 hydrocarbon-based volatile oils containing from 8 to 16 carbon atoms.

82. Use according to Claim 80 or 81, characterized in that the volatile oil is present in a content ranging from 0.1% to 98% by weight and preferably from 1% to 65% by weight, relative to the total weight of the composition.

10 83. Use according to any one of Claims 47 to 82, characterized in that the composition comprises an aqueous phase containing water or a mixture of water and of water-miscible organic solvent.

84. Use according to any one of Claims 47 to 83, characterized in that the composition contains at least one additive chosen  
15 from dyestuffs, surfactants, thickeners, antioxidants, fillers, preserving agents, fragrances, neutralizers and cosmetic or dermatological active agents, and mixtures thereof.

85. Use according to any one of Claims 47 to 84, characterized in that the composition is in the form of a mascara, a product for  
20 the eyebrows or a product for the hair.

86. Cosmetic process for rapidly making up keratin materials, which consists in introducing, into a cosmetic makeup composition comprising a fatty phase:

- (i) a first polymer with a weight-average molecular mass of less than  
25 100 000, comprising a) a polymer skeleton with hydrocarbon-based repeating units containing at least one hetero atom, and optionally b) optionally functionalized pendent and/or terminal fatty chains containing from 6 to 120 carbon atoms, which are linked to these hydrocarbon-based units,
- (ii) an anionic film-forming polymer,
- 30 - (iii) a cationic film-forming polymer,

the said anionic and cationic film-forming polymers being different from the said first polymer.

87. Cosmetic process for increasing the adhesion and/or the rapid loading of a cosmetic makeup composition, which consists in introducing  
5 into the said composition containing a fatty phase:

- (i) a first polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with hydrocarbon-based repeating units containing at least one hetero atom, and optionally b) optionally functionalized pendent and/or terminal fatty chains containing from 6 to 120  
10 carbon atoms, which are linked to these hydrocarbon-based units,
- (ii) an anionic film-forming polymer,
- (iii) a cationic film-forming polymer,

the said anionic and cationic film-forming polymers being different from the said first polymer.

15 88. Process according to Claim 86 or 87, characterized in that the average molar mass of the first polymer is less than 50 000.

89. Process according to any one of Claims 86 to 88, characterized in that the units containing a hetero atom of the first polymer are amide groups.

20 90. Process according to any one of Claims 86 to 89, characterized in that the fatty chains represent from 40% to 98% and better still from 50% to 95% of the total number of units containing a hetero atom and of fatty chains.

91. Process according to any one of Claims 86 to 90,  
25 characterized in that the fatty chains represent from 50% to 95% of the total number of units containing a hetero atom and of fatty chains.

92. Process according to any one of Claims 86 to 91, characterized in that the pendent fatty chains are linked directly to at least one of the said hetero atoms.

93. Cosmetic process for rapidly making up keratin materials, which consists in introducing, into a cosmetic makeup composition comprising a fatty phase:

5 - (i) a first polyamide polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with amide repeating units and b) optionally at least one optionally functionalized pendent fatty chain and/or at least one optionally functionalized terminal chain, containing from 6 to 120 carbon atoms, which are linked to these amide units,

- (ii) an anionic film-forming polymer,

10 - (iii) a cationic film-forming polymer,

the said anionic and cationic film-forming polymers being different from the said first polymer.

94. Cosmetic process for increasing the adhesion and/or the rapid loading of a cosmetic makeup composition, which consists in introducing  
15 into the said composition containing a fatty phase:

- (i) a first polyamide polymer with a weight-average molecular mass of less than 100 000, comprising a) a polymer skeleton with amide repeating units and b) optionally at least one optionally functionalized pendent fatty chain and/or at least one optionally functionalized terminal chain, containing from 6  
20 to 120 carbon atoms, which are linked to these amide units,

- (ii) an anionic film-forming polymer,

- (iii) a cationic film-forming polymer,

the said anionic and cationic film-forming polymers being different from the said first polymer.

25 95. Process according to Claim 93 or 94, characterized in that the fatty chains of the first polymer represent from 40% to 98% of the total number of amide units and of fatty chains.

96. Process according to any one of Claims 93 to 95, characterized in that the fatty chains of the first polymer represent from 50% to  
30 95% of the total number of amide units and of fatty chains.

97. Process according to any one of Claims 93 to 96, characterized in that the pendent fatty chains are linked directly to at least one of the nitrogen atoms of the amide units.

98. Process according to any one of Claims 86 to 97,  
5 characterized in that the weight-average molecular mass of the first polymer ranges from 1000 to 100 000, preferably from 1000 to 50 000 and better still from 1000 to 30 000.

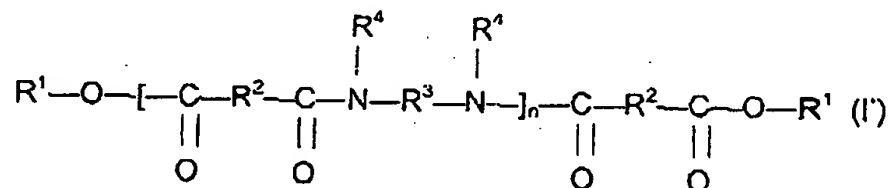
99. Process according to one of Claims 86 to 98,  
10 characterized in that the weight-average molar mass of the first film-forming polymer ranges from 2000 to 20 000 and preferably from 2000 to 10 000.

100. Process according to one of Claims 86 to 99, characterized in that the terminal fatty chain(s) is (are) linked to the skeleton via bonding groups.

101. Process according to Claim 100, characterized in that the  
15 bonding groups are ester groups.

102. Process according to any one of Claims 86 to 101, characterized in that the fatty chains contain from 12 to 68 carbon atoms.

103. Process according to any one of Claims 86 to 102,  
20 characterized in that the first polymer is chosen from the polymers of formula (I') below, and mixtures thereof:



in which n denotes a number of amide units such that the number of ester  
25 groups represents from 10% to 50% of the total number of ester and amide groups; R<sup>1</sup> is, independently in each case, an alkyl or alkenyl group containing at least 4 carbon atoms; R<sup>2</sup> represents, independently in each case, a C<sub>4</sub> to

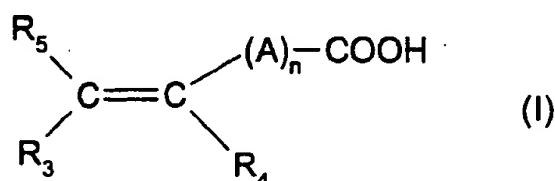
C<sub>42</sub> hydrocarbon-based group, on condition that at least 50% of the groups R<sup>2</sup> represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based group; R<sup>3</sup> represents, independently in each case, an organic group containing at least 2 carbon atoms, hydrogen atoms and optionally one or more oxygen or nitrogen atoms; and R<sup>4</sup> represents, independently in each case, a hydrogen atom, a C<sub>1</sub> to C<sub>10</sub> alkyl group or a direct bond to R<sup>3</sup> or another R<sup>4</sup>, such that the nitrogen atom to which R<sup>3</sup> and R<sup>4</sup> are both attached forms part of a heterocyclic structure defined by R<sup>4</sup>-N-R<sup>3</sup>, with at least 50% of the groups R<sup>4</sup> representing a hydrogen atom.

104. Process according to Claim 103, characterized in that R<sup>1</sup> is a C<sub>12</sub> to C<sub>22</sub> alkyl group.

105. Process according to Claim 103 or 104, characterized in that the radicals R<sup>2</sup> are groups containing from 30 to 42 carbon atoms.

106. Process according to any one of Claims 86 to 105, characterized in that the first polymer is present in a content ranging from 0.01% to 10% by weight, preferably ranging from 0.05% to 5% by weight and better still ranging from 0.1% to 3% by weight, relative to the total weight of the composition.

107. Process according to any one of Claims 86 to 106, characterized in that the anionic film-forming polymer is chosen from:  
- polymers comprising carboxylic units derived from unsaturated monocarboxylic or dicarboxylic acid monomers of formula (I):



in which n is an integer from 0 to 10, A denotes a methylene group, optionally connected to the carbon atom of the unsaturated group or to the neighbouring

methylene group when n is greater than 1 via a hetero atom such as oxygen or sulphur,  $R_5$  denotes a hydrogen atom or a phenyl or benzyl group,  $R_3$  denotes a hydrogen atom or a lower alkyl or carboxyl group, and  $R_4$  denotes a hydrogen atom, a lower alkyl group or a

5 —CH<sub>2</sub>-COOH, phenyl or benzyl group,

- polymers comprising units derived from sulphonic acid, such as vinylsulphonic, styrenesulphonic and acrylamidoalkylsulphonic units, and sulphonic polyesters, and

- mixtures thereof.

10 108. Process according to any one of Claims 86 to 107, characterized in that the anionic film-forming polymer is chosen from:

A) homo- or copolymers of acrylic or methacrylic acid or salts thereof, the sodium salts of copolymers of acrylic acid and of acrylamide, and the sodium salts of polyhydroxycarboxylic acids;

15 B) copolymers of acrylic or methacrylic acids with a monoethylenic monomer such as ethylene, styrene, vinyl esters and acrylic or methacrylic acid esters, optionally grafted onto a polyalkylene glycol such as polyethylene glycol; copolymers of this type comprising in their chain an optionally N-alkylated and/or hydroxyalkylated acrylamide unit, copolymers of acrylic  
20 acid and of C<sub>1</sub>-C<sub>4</sub> alkyl methacrylate and terpolymers of vinylpyrrolidone, of acrylic acid and of C<sub>1</sub>-C<sub>20</sub> alkyl methacrylate;

C) copolymers derived from crotonic acid, such as those whose chain comprises vinyl acetate or propionate units and optionally other monomers such as allylic or methallylic esters, vinyl ether or vinyl ester of a saturated,  
25 linear or branched carboxylic acid containing a long hydrocarbon-based chain such as those comprising at least 5 carbon atoms, it being possible for these polymers to be optionally grafted;

D) polymers derived from maleic, fumaric or itaconic acids or anhydrides with vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives, acrylic acid  
30 and esters thereof; copolymers of maleic, citraconic or itaconic anhydrides and

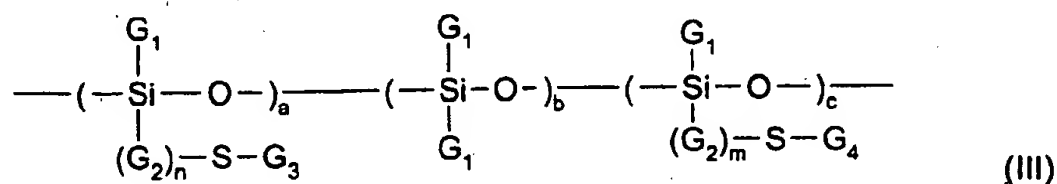
of an allylic or methallylic ester optionally comprising an acrylamide, methacrylamide,  $\alpha$ -olefin, acrylic or methacrylic ester, acrylic or methacrylic acid or vinylpyrrolidone group in their chain, the anhydride functions are monoesterified or monoamidated;

- 5 E) polyacrylamides comprising carboxylate groups,
  - F) deoxyribonucleic acid;
  - G) copolymers of at least one dicarboxylic acid, of at least one diol and of at least one difunctional aromatic monomer bearing a group  $-\text{SO}_3\text{M}$  with M representing a hydrogen atom, an ammonium ion  $\text{NH}_4^+$  or a metal ion;
  - 10 - and mixtures thereof.
109. Use according to any one of Claims 86 to 108, characterized in that the anionic film-forming polymer is chosen from:
- acrylic or methacrylic acid homopolymers;
  - acrylic acid copolymers such as the acrylic acid/
  - 15 ethyl acrylate/N-tert-butylacrylamide terpolymer;
  - copolymers derived from crotonic acid, such as vinyl acetate/vinyl tert-butylbenzoate/crotonic acid terpolymers and crotonic acid/vinyl acetate/vinyl neodecanoate terpolymers;
  - polymers derived from maleic, fumaric or itaconic acids or anhydrides with
  - 20 vinyl esters, vinyl ethers, vinyl halides, phenylvinyl derivatives or acrylic acid and esters thereof, such as methyl vinyl ether/monoesterified maleic anhydride copolymers;
  - copolymers of methacrylic acid and of methyl methacrylate;
  - copolymers of methacrylic acid and of ethyl acrylate;
  - 25 - terpolymers of vinylpyrrolidone/acrylic acid/lauryl methacrylate;
  - vinyl acetate/crotonic acid copolymers;
  - vinyl acetate/crotonic acid/polyethylene glycol terpolymers;
  - sulphopolyesters obtained by condensation of diethylene glycol, cyclohexanedimethanol, isophthalic acid and sulfoisophthalic acid,
  - 30 - and mixtures thereof.

110. Process according to any one of Claims 86 to 109, characterized in that the anionic film-forming polymer is chosen from anionic polymers of grafted silicone type comprising a polysiloxane portion and a portion consisting of a non-silicone organic chain, one of the two portions  
 5 constituting the main chain of the polymer, the other being grafted onto the said main chain.

111. Process according to Claim 110, characterized in that the grafted silicone polymer is chosen from silicone polymers whose structure comprises the unit of formula (III) below:

10



in which the radicals  $G_1$ , which may be identical or different, represent hydrogen or a  $C_1$ - $C_{10}$  alkyl radical or alternatively a phenyl radical; the radicals  
 15  $G_2$ , which may be identical or different, represent a  $C_1$ - $C_{10}$  alkylene group;  $G_3$  represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated anionic monomer;  $G_4$  represents a polymer residue resulting from the (homo)polymerization of at least one ethylenically unsaturated hydrophobic monomer;  $m$  and  $n$  are equal to 0 or 1;  $a$  is an  
 20 integer ranging from 0 to 50;  $b$  is an integer which can be between 10 and 350,  $c$  is an integer ranging from 0 to 50; with the proviso that one of the parameters  $a$  and  $c$  is other than 0.

112. Process according to Claim 111, characterized in that the unit of formula (III) has at least one of the following characteristics:  
 25 - the radicals  $G_1$  denote a  $C_1$ - $C_{10}$  alkyl radical;  
 -  $n$  is non-zero and the radicals  $G_2$  represent a divalent  $C_1$ - $C_3$  radical;



-  $G_3$  represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as an ethylenically unsaturated carboxylic acid;

5 -  $G_4$  represents a polymer radical resulting from the (homo)polymerization of at least one monomer such as a  $C_1$ - $C_{10}$  alkyl (meth)acrylate.

113. Process according to Claim 111 or 112, characterized in that the unit of formula (III) simultaneously has the following characteristics:

10 - the radicals  $G_1$  denote a methyl radical;  
-  $n$  is non-zero and the radicals  $G_2$  represent a propylene radical;

-  $G_3$  represents a polymer radical resulting from the (homo)polymerization of at least acrylic acid and/or methacrylic acid;

15 -  $G_4$  represents a polymer radical resulting from the (homo)polymerization of at least isobutyl or methyl (meth)acrylate.

114. Process according to any one of Claims 86 to 113, characterized in that the cationic film-forming polymer is chosen from quaternary cellulose ether derivatives, copolymers of cellulose with a water-soluble quaternary ammonium monomer, cyclopolymers, cationic  
20 polysaccharides, cationic silicone polymers, quaternized or non-quaternized vinylpyrrolidone-dialkylaminoalkyl acrylate or methacrylate copolymers, quaternary polymers of vinylpyrrolidone and of vinylimidazole, and polyaminoamides, and mixtures thereof.

115. Process according to any one of Claims 86 to 114,  
25 characterized in that the anionic film-forming polymer is a poly(sodium methacrylate).

116. Process according to any one of Claims 86 to 115, characterized in that the cationic film-forming polymer is a hydroxy( $C_1$ - $C_4$ )alkylcellulose comprising quaternary ammonium groups.

117. Process according to any one of Claims 86 to 116, characterized in that the cationic film-forming polymer is present in a content ranging from 0.01% to 20% by weight, preferably from 0.01% to 15% by weight and even more preferentially from 0.05% to 5% by weight, relative to  
5 the total weight of the composition.

118. Process according to any one of Claims 86 to 117, characterized in that the anionic film-forming polymer is present in a content ranging from 0.01% to 20% by weight, preferably from 0.05% to 15% by weight and even more preferentially from 0.1% to 7% by weight, relative to the  
10 total weight of the composition.

119. Process according to any one of Claims 86 to 118, characterized in that the fatty phase comprises at least one wax.

120. Process according to Claim 119, characterized in that the wax is chosen from the group formed by beeswax, lanolin wax, Chinese insect  
15 waxes, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fibre wax, sugar cane wax, Japan wax, sumach wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes and the waxes obtained by Fisher-Tropsch synthesis, fatty acid esters of glycerides that are solid at 40°C, the waxes obtained by catalytic  
20 hydrogenation of animal or plant oils containing linear or branched C<sub>8</sub>-C<sub>32</sub> fatty chains, silicone waxes and fluoro waxes, and mixtures thereof.

121. Process according to Claim 119 or 120, characterized in that the wax is present in a content ranging from 0.1% to 50% by weight, preferably from 0.5% to 40% by weight and better still from 1% to 30% by  
25 weight, relative to the total weight of the composition.

122. Process according to any one of Claims 86 to 121, characterized in that the fatty phase comprises at least one oil chosen from the group formed by hydrocarbon-based oils, fluoro oils and/or silicone oils of mineral, animal, plant or synthetic origin, alone or as a mixture.

123. Process according to any one of Claims 86 to 122, characterized in that the fatty phase comprises at least one volatile oil.

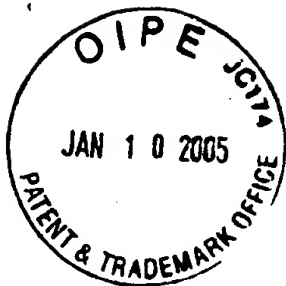
124. Process according to any one of Claims 86 to 123, characterized in that the fatty phase comprises a volatile oil chosen from  
5 hydrocarbon-based volatile oils containing from 8 to 16 carbon atoms.

125. Process according to Claim 123 or 124, characterized in that the volatile oil is present in a content ranging from 0.1% to 98% by weight and preferably from 1% to 65% by weight, relative to the total weight of the composition.

10 126. Process according to any one of Claims 86 to 125, characterized in that the composition comprises an aqueous phase containing water or a mixture of water and of water-miscible organic solvent.

127. Process according to any one of Claims 86 to 126, characterized in that the composition contains at least one additive chosen  
15 from dyestuffs, surfactants, thickeners, antioxidants, fillers, preserving agents, fragrances, neutralizers and cosmetic or dermatological active agents, and mixtures thereof.

128. Process according to any one of Claims 86 to 127, characterized in that the composition is in the form of a mascara, a product for  
20 the eyebrows or a product for the hair.



PENDING CLAIMS  
Application No. 10/459,636  
Attorney Docket No. 05725.1336-00000  
Filed: June 12, 2003

1. A composition in the form of an emulsion comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
  - (ii) at least one sunscreen agent.
2. The composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:  
at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and  
at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.
3. The composition according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.
4. The composition according to claim 3, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.
5. The composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.
6. The composition according to claim 2, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.
7. The composition according to claim 6, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

8. The composition according to claim 7, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.
9. The composition according to claim 2, wherein said at least one terminal fatty chain is functionalized.
10. The composition according to claim 2, wherein said at least one pendant fatty chain is functionalized.
11. The composition according to claim 2, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.
12. The composition according to claim 11, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.
13. The composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.
14. The composition according to claim 13, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.
15. The composition according to claim 14, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.
16. The composition according to claim 15, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.
17. The composition according to claim 16, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.
18. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.
19. The composition according to claim 18, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.
20. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated

hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

21. The composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

22. The composition according to claim 21, wherein said at least one hetero atom is a nitrogen atom.

23. The composition according to claim 21, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

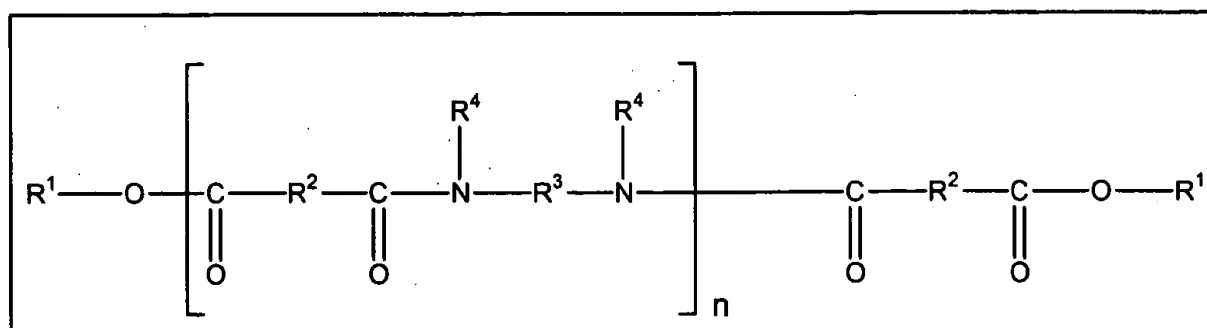
24. The composition according to claim 23, wherein said at least one hetero atom group further comprises a carbonyl group.

25. The composition according to claim 23, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

26. The composition according to claim 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

27. The composition according to claim 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

28. The composition according to claim 1, wherein said at least one



structuring polymer is chosen from polyamide polymers of formula (I):

in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

29. The composition according to claim 28, wherein in said formula (I), n is an integer ranging from 1 to 5.

30. The composition according to claim 29, wherein in said formula (I), n is an integer ranging from 3 to 5.

31. The composition according to claim 28, wherein in said formula (I), said alkyl groups of R<sup>1</sup> and said alkenyl groups of R<sup>1</sup> each independently comprise from 4 to 24 carbon atoms.

32. The composition according to claim 31, wherein in said formula (I), R<sup>1</sup>, which are identical or different, are each chosen from C<sub>12</sub> to C<sub>22</sub> alkyl groups.

33. The composition according to claim 32, wherein in said formula (I), R<sup>1</sup>, which are identical or different, are each chosen from C<sub>16</sub> to C<sub>22</sub> alkyl groups.

34. The composition according to claim 28, wherein in said formula (I), R<sup>2</sup>, which are identical or different, are each chosen from C<sub>10</sub> to C<sub>42</sub> hydrocarbon based

groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

35. The composition according to claim 34, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

36. The composition according to claim 28, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

37. The composition according to claim 36, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

38. The composition according to claim 37, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

39. The composition according to claim 28, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

40. The composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than 50 °C.

41. The composition according to claim 40, wherein said at least one structuring polymer has a softening point ranging from 65 °C to 190 °C.

42. The composition according to claim 41, wherein said at least one structuring polymer has a softening point ranging from 70 °C to 130 °C.

43. The composition according to claim 42, wherein said at least one structuring polymer has a softening point ranging from 80 °C to 105 °C.

44. The composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

45. The composition according to claim 44, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

46. The composition according to claim 45, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.



47. The composition according to claim 1, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

48. The composition according to claim 47, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

49. The composition according to claim 48, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5+R_6 \geq 10$ ;

- synthetic ethers containing from 10 to 40 carbon atoms;

- $C_8$  to  $C_{26}$  fatty alcohols; and

- $C_8$  to  $C_{26}$  fatty acids.

50. The composition according to claim 48, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;

- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;

- phenylsilicones; and

- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

51. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

52. The composition according to claim 51, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

53. The composition according to claim I, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

54. The composition according to claim 53, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

55. The composition according to claim 53, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

56. The composition according to claim 53, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

57. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

58. The composition according to claim 57, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

59. The composition according to claim 58, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

60. The composition according to claim 59, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

61. The composition according to claim I, wherein said composition further comprises at least one additional fatty material.

62. The composition according to claim 61, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

63. The composition according to claim 1 further comprising at least one film forming polymer.

64. The composition according to claim 1, wherein said film-forming polymer is present in the composition in an amount ranging from 0.1% to 20% by weight relative to the total weight of the composition.

65. The composition according to claim 1, wherein the composition is in a form chosen from a fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

66. The composition according to claim 1, wherein said composition is a solid.

67. The composition according to claim 66, wherein said composition is a solid chosen from molded and poured sticks.

68. A composition in the form of an emulsion comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit; and

(ii) at least one sunscreen agent.

69. The composition according to claim 68, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

70. The composition according to claim 69, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

71. The composition according to claim 70, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

72. The composition according to claim 71, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

73. The composition according to claim 69, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

74. The composition according to claim 73, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

75. The composition according to claim 74, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

76. The composition according to claim 69, wherein said at least one terminal fatty chain is functionalized.

77. The composition according to claim 69, wherein said at least one pendant fatty chain is functionalized.

78. The composition according to claim 69, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

79. The composition according to claim 78, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

80. The composition according to claim 68, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

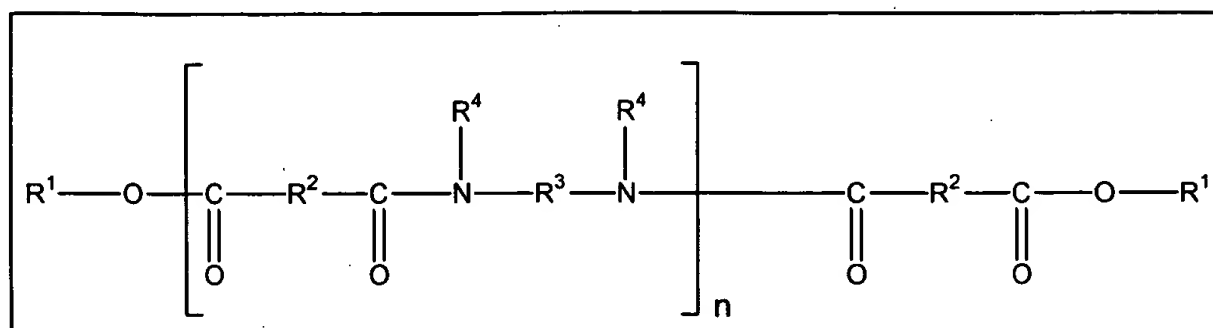
81. The composition according to claim 80, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 50,000.

82. The composition according to claim 81, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 1000 to 30,000.

83. The composition according to claim 82, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 20,000.

84. The composition according to claim 83, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 10,000.

85. The composition according to claim 68, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;
- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and
- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

86. The composition according to claim 85, wherein in said formula (I), n is an integer ranging from 1 to 5.

87. The composition according to claim 86, wherein in said formula (I), n is an integer ranging from 3 to 5.

88. The composition according to claim 85, wherein in said formula (I), said alkyl groups of  $R'$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

89. The composition according to claim 88, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

90. The composition according to claim 89, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

91. The composition according to claim 85, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

92. The composition according to claim 91, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

93. The composition according to claim 92, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

94. The composition according to claim 93, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

95. The composition according to claim 68, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

96. The composition according to claim 68, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

97. The composition according to claim 68, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

98. The composition according to claim 68, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

99. The composition according to claim 98, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

100. The composition according to claim 99, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

101. The composition according to claim 100, wherein said at least one amine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

102. The composition according to claim 68, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

103. The composition according to claim 102, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

104. The composition according to claim 102, wherein said at least one polyamide polymer is chosen from:

- polymers chosen from mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine, and having a weight-average molecular mass of about 6000;

- polyamide polymers resulting from the condensation of at least one aliphatic dicarboxylic acid and at least one diamine, the carbonyl and amine groups being condensed via an amide bond; and

- polyamide resins from vegetable sources.

105. The composition according to claim 68, wherein said at least one polyamide polymer has a softening point greater than 50 °C.

106. The composition according to claim 105, wherein said at least one polyamide polymer has a softening point ranging from 65°C to 190°C.

107. The composition according to claim 106, wherein said at least one polyamide polymer has a softening point ranging from 70°C to 130°C.

108. The composition according to claim 107, wherein said at least one polyamide polymer has a softening point ranging from 80°C to 105°C.

109. The composition according to claim 104, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

110. The composition according to claim 109, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

111. The composition according to claim 110, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

112. The composition according to claim 68, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

113. The composition according to claim 112, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

114. The composition according to claim 113, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5 + R_6 \geq 10$ ;

- synthetic ethers containing from 10 to 40 carbon atoms;

- $C_8$  to  $C_{26}$  fatty alcohols; and

- $C_8$  to  $C_{26}$  fatty acids.

115. The composition according to claim 113, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;



- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;

- phenylsilicones; and

- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

116. The composition according to claim 112, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

117. The composition according to claim 116, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

118. The composition according to claim 117, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

119. The composition according to claim 118, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

120. The composition according to claim 119, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

121. The composition according to claim 120, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

122. The composition according to claim 112, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

123. The composition according to claim 122, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

124. The composition according to claim 123, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

125. The composition according to claim 124, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

126. The composition according to claim 112, wherein said composition further comprises at least one additional fatty material.

127. The composition according to claim 126, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

128. The composition according to claim 68, wherein the composition is in a form chosen from a fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

129. A method for providing solar protection to a keratinous material comprising applying a composition according to claim 1 to said keratinous material.

130. A method for providing solar protection to a keratinous material comprising applying a composition according to claim 83 to said keratinous material.

131. A foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, deodorant, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product comprising:

at least one liquid fatty phase in said foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, deodorant, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one sunscreen agent.

132. A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one sunscreen agent.

133. A treatment, care or make-up composition for keratinous fibers comprising a structured composition containing at least one liquid fatty phase in said treatment, care or make-up composition structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one sunscreen agent, and at least one coloring agent.

134. A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising the application to said keratin material of a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one sunscreen agent.

134. A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one sunscreen agent.



PENDING CLAIMS  
Application No. 10/618,315  
Attorney Docket No. 05725.1337-00000  
Filed: July 11, 2003

1. A composition in the form of an emulsion comprising at least one liquid fatty phase which comprises:
  - (i) at least one structuring polymer comprising:  
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;
  - (ii) at least one sunscreen agent;
  - (iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and
  - (iv) a swelling agent for said powder.
2. The composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:  
  
at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and  
  
at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.
3. The composition according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.
4. The composition according to claim 3, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

5. The composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.
6. The composition according to claim 2, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.
7. The composition according to claim 6, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.
8. The composition according to claim 7, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.
9. The composition according to claim 2, wherein said at least one terminal fatty chain is functionalized.
10. The composition according to claim 2, wherein said at least one pendant fatty chain is functionalized.
11. The composition according to claim 2, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.
12. The composition according to claim 11, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

13. The composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.
14. The composition according to claim 13, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.
15. The composition according to claim 14, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.
16. The composition according to claim 15, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.
17. The composition according to claim 16, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.
18. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.
19. The composition according to claim 18, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.
20. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.
21. The composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

22. The composition according to claim 21, wherein said at least one hetero atom is a nitrogen atom.

23. The composition according to claim 21, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

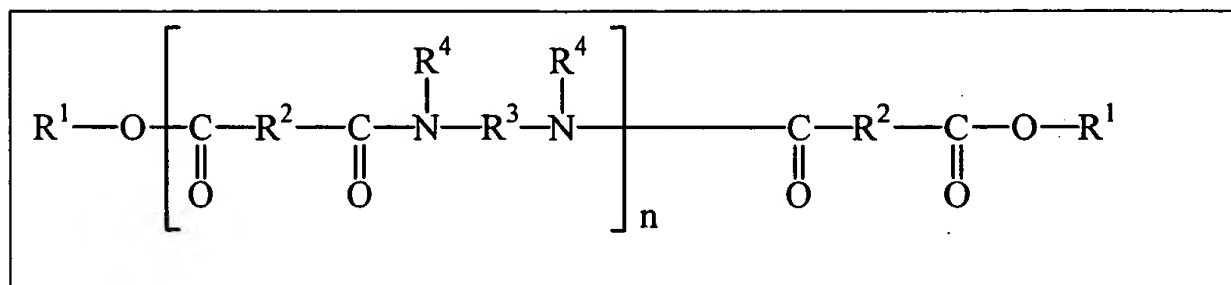
24. The composition according to claim 23, wherein said at least one hetero atom group further comprises a carbonyl group.

25. The composition according to claim 23, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

26. The composition according to claim 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

27. The composition according to claim 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

28. The composition according to claim 1, wherein said at least one structuring polymer is chosen from polyamide



polymers of formula (I):

in which:

-  $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

29. The composition according to claim 28, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

30. The composition according to claim 29, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.



31. The composition according to claim 28, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

32. The composition according to claim 31, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

33. The composition according to claim 32, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

34. The composition according to claim 28, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

35. The composition according to claim 34, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

36. The composition according to claim 28, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

37. The composition according to claim 36, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

38. The composition according to claim 37, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

39. The composition according to claim 28, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein  $n$  is equal to zero.

40. The composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than 50 °C.
41. The composition according to claim 40, wherein said at least one structuring polymer has a softening point ranging from 65 °C to 190 °C.
42. The composition according to claim 41, wherein said at least one structuring polymer has a softening point ranging from 70 °C to 130 °C.
43. The composition according to claim 42, wherein said at least one structuring polymer has a softening point ranging from 80 °C to 105 °C.
44. The composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.
45. The composition according to claim 44, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.
46. The composition according to claim 45, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.
46. The composition according to claim 1, wherein said at least one liquid fatty phase of the composition comprises at least one oil.
47. The composition according to claim 46, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.
48. The composition according to claim 47, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5 + R_6 > 10$ ;

- synthetic ethers containing from 10 to 40 carbon atoms;

-  $C_8$  to  $C_{26}$  fatty alcohols; and

-  $C_8$  to  $C_{26}$  fatty acids.

49. The composition according to claim 47, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;

- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;

- phenylsilicones; and

- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

50. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

51. The composition according to claim 50, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

52. The composition according to claim 1, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

53. The composition according to claim 52, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

54. The composition according to claim 52, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

55. The composition according to claim 52, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

56. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

57. The composition according to claim 56, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

58. The composition according to claim 57, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

59. The composition according to claim 58, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

60. The composition according to claim 1, wherein said composition further comprises at least one additional fatty material.

61. The composition according to claim 60, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

62. The composition according to claim 1 further comprising at least one film forming polymer.

63. The composition according to claim 1, wherein said film-forming polymer is present in the composition in an amount ranging from 0.1% to 20% by weight relative to the total weight of the composition.

64. The cosmetic composition of claim 1, wherein said swelling agent comprises linear or cyclic polydimethylsiloxane.

65. The cosmetic composition of claim 64, wherein said polydimethylsiloxane comprises a cyclomethicone.

66. The cosmetic composition of claim 64, wherein said polydimethylsiloxane comprises a dimethicone.

67. The cosmetic composition of claim 1 wherein said swelling agent comprises a phenylmethicone.

68. The cosmetic composition of claim 1 wherein said swelling agent comprises a fluorinated silicone.

69. The cosmetic composition of claim 1, wherein said silicone resin comprises a polyorganosilsesquioxane.

70. The cosmetic composition of claim 1, wherein said silicone elastomer core is unfunctionalized.

71. The cosmetic composition of claim 1, wherein said silicone elastomer core contains pendant functional groups.

72. The cosmetic composition of claim 71, wherein said functional groups comprise fluoroalkyl groups.

73. The cosmetic composition of claim 71, wherein said functional groups comprise phenyl groups.

74. The cosmetic composition of claim 1, wherein said structural agent comprises a polyamide bonded to a fatty chain via an ester group, said swelling agent comprises a dimethicone, and said silicone resin comprises a polyorganosilsesquioxane.

75. The cosmetic composition of claim 1, wherein ratio of amount of said silicone elastomer powder to said structuring agent is from about 0.1 to about 9.0.

76. The cosmetic composition of claim 75, wherein the ratio is from about 0.5 to about 5.0.

77. The cosmetic composition of claim 75, wherein the ratio is from about 1.0 to about 4.0.

78. The cosmetic composition of claim 75, wherein the ratio is from about 1.0 to about 3.0.

79. The composition according to claim 1, wherein the composition is in a form chosen from a fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

80. The composition according to claim 1, wherein said composition is a solid.

81. The composition according to claim 80, wherein said composition is a solid chosen from molded and poured sticks.

82. A composition in the form of an emulsion comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit;

(ii) at least one sunscreen agent;

(iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and

(iv) a swelling agent for said powder.

83. The composition according to claim 82, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

84. The composition according to claim 83, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

85. The composition according to claim 84, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

86. The composition according to claim 85, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

87. The composition according to claim 83, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

88. The composition according to claim 87, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

89. The composition according to claim 88, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

90. The composition according to claim 83, wherein said at least one terminal fatty chain is functionalized.



91. The composition according to claim 83, wherein said at least one pendant fatty chain is functionalized.

92. The composition according to claim 83, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

93. The composition according to claim 92, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

94. The composition according to claim 82, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

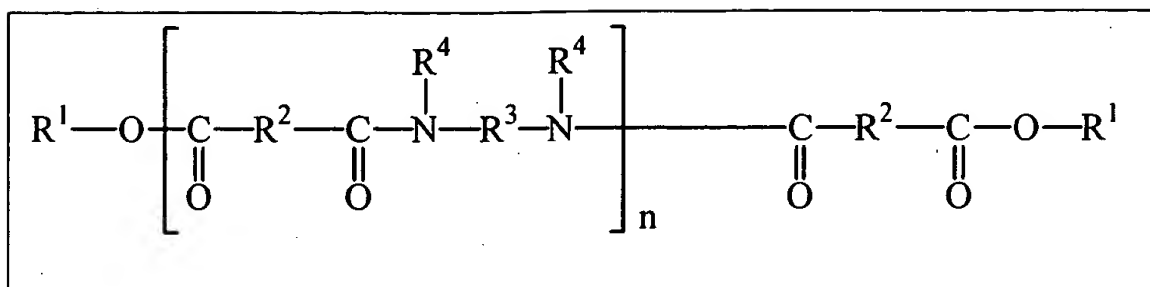
95. The composition according to claim 94, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 50,000.

96. The composition according to claim 95, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 1000 to 30,000.

97. The composition according to claim 96, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 20,000.

98. The composition according to claim 97, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 10,000.

99. The composition according to claim 82, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- R<sup>1</sup>, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sup>2</sup>, which are identical or different, are each chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups with the proviso that at least 50% of all R<sup>2</sup> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sup>3</sup>, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms with the proviso that R<sup>3</sup> comprises at least 2 carbon atoms; and

- R<sup>4</sup>, which are identical or different, are each chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sup>3</sup> and another R<sup>4</sup> such that when said at least one group is chosen from another R<sup>4</sup>, the nitrogen atom to which both R<sup>3</sup> and R<sup>4</sup> are bonded forms part of a heterocyclic structure defined in part by R<sup>4</sup>-N-R<sup>3</sup>, with the proviso that at least 50% of all R<sup>4</sup> are chosen from hydrogen atoms.

100. The composition according to claim 99, wherein in said formula (I),  $n$  is an integer ranging from 1 to 5.

101. The composition according to claim 99, wherein in said formula (I),  $n$  is an integer ranging from 3 to 5.

102. The composition according to claim 99, wherein in said formula (I), said alkyl groups of  $R^1$  and said alkenyl groups of  $R^1$  each independently comprise from 4 to 24 carbon atoms.

103. The composition according to claim 102, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{12}$  to  $C_{22}$  alkyl groups.

104. The composition according to claim 103, wherein in said formula (I),  $R^1$ , which are identical or different, are each chosen from  $C_{16}$  to  $C_{22}$  alkyl groups.

105. The composition according to claim 99, wherein in said formula (I),  $R^2$ , which are identical or different, are each chosen from  $C_{10}$  to  $C_{42}$  hydrocarbon based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

106. The composition according to claim 105, wherein at least 75% of all  $R^2$ , which are identical or different, are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon based groups.

107. The composition according to claim 106, wherein in said formula (I),  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{36}$  hydrocarbon-based groups and polyoxyalkylene groups.

108. The composition according to claim 107, wherein  $R^3$ , which can be identical or different, are each chosen from  $C_2$  to  $C_{12}$  hydrocarbon-based groups.

109. The composition according to claim 82, wherein in said formula (I),  $R^4$ , which can be identical or different, are each chosen from hydrogen atoms.

110. The composition according to claim 82, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

111. The composition according to claim 82, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

112. The composition according to claim 82, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

113. The composition according to claim 112, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

114. The composition according to claim 113, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

115. The composition according to claim 114, wherein said at least one amine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

116. The composition according to claim 82, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

117. The composition according to claim 116, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

118. The composition according to claim 117, wherein said at least one polyamide polymer is chosen from:

- polymers chosen from mixtures of copolymers derived from monomers of (i) C<sub>36</sub> diacids and (ii) ethylenediamine, and having a weight-average molecular mass of about 6000;
- polyamide polymers resulting from the condensation of at least one aliphatic dicarboxylic acid and at least one diamine, the carbonyl and amine groups being condensed via an amide bond; and
- polyamide resins from vegetable sources.

119. The composition according to claim 82, wherein said at least one polyamide polymer has a softening point greater than 50 °C.

120. The composition according to claim 119, wherein said at least one polyamide polymer has a softening point ranging from 65 °C to 190 °C.

121. The composition according to claim 120, wherein said at least one polyamide polymer has a softening point ranging from 70 °C to 130 °C.

122. The composition according to claim 121, wherein said at least one polyamide polymer has a softening point ranging from 80 °C to 105 °C.

123. The composition according to claim 118, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

124. The composition according to claim 123, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

125. The composition according to claim 124, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

126. The composition according to claim 82, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

127. The composition according to claim 126, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

128. The composition according to claim 127, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula  $R_5COOR_6$  in which  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and  $R_5 + R_6 > 10$ ;
- synthetic ethers containing from 10 to 40 carbon atoms;

- C<sub>8</sub> to C<sub>26</sub> fatty alcohols; and
- C<sub>8</sub> to C<sub>26</sub> fatty acids.

129. The composition according to claim 127, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

130. The composition according to claim 126, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

131. The composition according to claim 130, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

132. The composition according to claim 131, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

133. The composition according to claim 132, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

134. The composition according to claim 133, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

135. The composition according to claim 134, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

136. The composition according to claim 126, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

137. The composition according to claim 136, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

138. The composition according to claim 137, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

139. The composition according to claim 138, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

140. The composition according to claim 126, wherein said composition further comprises at least one additional fatty material.



141. The composition according to claim 140, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

142. The composition according to claim 99, wherein the composition is in a form chosen from a fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

143. The cosmetic composition of claim 82, wherein said swelling agent comprises linear or cyclic polydimethylsiloxane.

144. The cosmetic composition of claim 143, wherein said polydimethylsiloxane comprises a cyclomethicone.

145. The cosmetic composition of claim 143, wherein said polydimethylsiloxane comprises a dimethicone.

146. The cosmetic composition of claim 82, wherein said swelling agent comprises a phenylmethicone.

147. The cosmetic composition of claim 82, wherein said swelling agent comprises a fluorinated silicone.

148. The cosmetic composition of claim 82, wherein said silicone resin comprises a polyorganosilsesquioxane.

149. The cosmetic composition of claim 82, wherein said silicone elastomer core is unfunctionalized.

150. The cosmetic composition of claim 82, wherein said silicone elastomer core contains pendant functional groups.

151. The cosmetic composition of claim 150, wherein said functional groups comprise fluoroalkyl groups.

152. The cosmetic composition of claim 150, wherein said functional groups comprise phenyl groups.

153. The cosmetic composition of claim 82, wherein said structuring agent comprises a polyamide bonded to a fatty chain via an ester group, said swelling agent comprises a dimethicone, and said silicone resin comprises a polyorganosilsesquioxane.

154. The cosmetic composition of claim 82, wherein ratio of amount of said silicone elastomer powder to said structuring agent is from about 0.1 to about 9.0.

155. The cosmetic composition of claim 154, wherein the ratio is from about 0.5 to about 5.0.

156. The cosmetic composition of claim 154, wherein the ratio is from about 1.0 to about 4.0.

157. The cosmetic composition of claim 154, wherein the ration is from about 1.0 to about 3.0.

158. A method for increasing solar protection comprising the application of a composition according to claim 1.

159. A method for increasing solar protection comprising the application of a composition according to claim 99.

160. A foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, deodorant, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product comprising:

at least one liquid fatty phase in said foundation, mascara, eye liner, concealer, lipstick, blush for cheeks or eyelids, body makeup, sun screen, deodorant, colorant for skin or hair, skin care formula, shampoo, after shampoo treatment, or makeup removing product which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

(ii) at least one sunscreen agent; and

(iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and

(iv) a swelling agent for said powder.

161. A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

(ii) at least one sunscreen agent; and

(iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and

(iv) a swelling agent for said powder.

162. A treatment, care or make-up composition for keratinous fibers comprising a structured composition containing at least one liquid fatty phase in said treatment,

care or make-up composition structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one sunscreen agent, a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; a swelling agent for said powder, and at least one coloring agent.

163. A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising the application to said keratin material of a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

(ii) at least one sunscreen agent; and

(iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and

(iv) a swelling agent for said powder.

164. A method for making a cosmetic composition in the form of a physiologically acceptable composition, comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom;

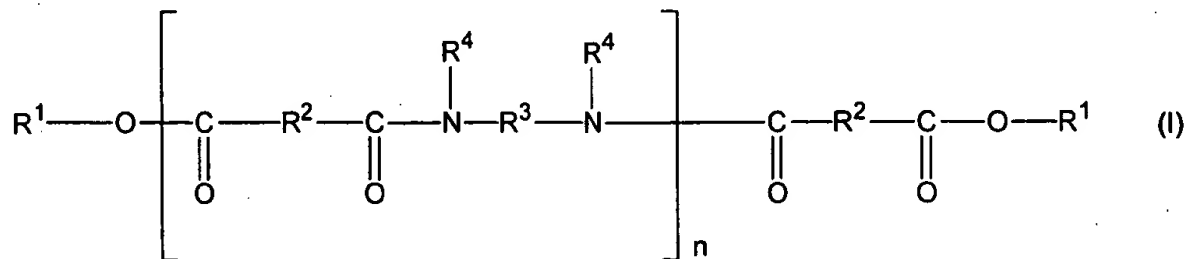
(ii) at least one sunscreen agent;

- (iii) a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and
- (iv) a swelling agent for said powder.



PENDING CLAIMS  
Application No. 10/746,612  
Attorney Docket No. 05725.1338-01000  
Filed: December 22, 2003

1. A cosmetic composition, comprising: a structuring agent comprising a polymer skeleton having a hydrocarbon-based repeating unit comprising at least one hetero atom; a liquid fatty phase; a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and a swelling agent for said powder.
2. The cosmetic composition of claim 1, wherein said structuring agent further comprises at least one fatty chain bonded to said polymer skeleton.
3. The cosmetic composition of claim 2, wherein said fatty chain is a pendant chain.
4. The cosmetic composition of claim 2, wherein said fatty chain is a terminal chain.
5. The cosmetic composition of claim 4, wherein said fatty chain is bonded to said polymer skeleton via an ester group.
6. The cosmetic composition of claim 2, wherein said structuring agent comprises a plurality of fatty chains, including a terminal fatty chain.
7. The cosmetic composition of claim 2, wherein said fatty chain is functionalized.
8. The cosmetic composition of claim 1, wherein said polymer skeleton is a polyamide.
9. The cosmetic composition of claim 8, wherein said structuring agent is chosen from polyamide polymers of formula (I):



wherein:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

-  $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

-  $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;

-  $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and

-  $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

10. The cosmetic composition of claim 1, wherein said swelling agent comprises linear or cyclic polydimethylsiloxane.

11. The cosmetic composition of claim 10, wherein said polydimethylsiloxane comprises a cyclomethicone.

12. The cosmetic composition of claim 10, wherein said polydimethylsiloxane comprises a dimethicone.

13. The cosmetic composition of claim 1 wherein said swelling agent comprises a phenylmethicone.

14. The cosmetic composition of claim 1 wherein said swelling agent comprises a fluorinated silicone.

15. The cosmetic composition of claim 1, wherein said silicone resin comprises a polyorganosilsesquioxane.

16. The cosmetic composition of claim 1, wherein said silicone elastomer core is unfunctionalized.

17. The cosmetic composition of claim 1, wherein said silicone elastomer core contains pendant functional groups.

18. The cosmetic composition of claim 17, wherein said functional groups comprise fluoroalkyl groups.

19. The cosmetic composition of claim 17, wherein said functional groups comprise phenyl groups.

20. The cosmetic composition of claim 1, wherein said structural agent comprises a polyamide bonded to a fatty chain via an ester group, said swelling agent comprises a dimethicone, and said silicone resin comprises a polyorganosilsesquioxane.

21. The cosmetic composition of claim 1, wherein said liquid fatty phase comprises a polar oil, an apolar oil, or a mixture of said polar and apolar oils.

22. The cosmetic composition of claim 1, which is in the form of an emulsion.

23. The cosmetic composition of claim 22, further comprising an aqueous phase.

24. The cosmetic composition of claim 22, which is anhydrous.

25. The cosmetic composition of claim 1, further comprising a film-forming agent.

26. The cosmetic composition of claim 1, further comprising a wax.

27. The cosmetic composition of claim 1, further comprising a sunscreen agent.

28. The cosmetic composition of claim 1, further comprising an emulsifier.

29. The cosmetic composition of claim 1, further comprising a plasticizer.

30. The cosmetic composition of claim 1, further comprising an additive.

31. The cosmetic composition of claim 30, wherein the additive comprises a pigment.

32. The cosmetic composition of claim 31, wherein said pigment is treated.

33. The cosmetic composition of claim 31, wherein said pigment is treated with an amino acid.



34. The cosmetic composition of claim 1, which is in the form of a solid, a paste, a gel or a cream.

35. The cosmetic composition of claim 1, which is in a molded form.

36. The cosmetic composition of claim 1, which is in the form of a stick or dish.

37. The cosmetic composition of claim 1, which is in the form of a powder.

38. A composition useful in the preparation of a cosmetic, comprising: a structuring agent comprising a polymer skeleton comprising a hydrocarbon-based repeating unit containing at least one hetero atom, and a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin.

39. The composition of claim 38, wherein said structuring agent further comprises at least one fatty chain bonded to said polymer skeleton.

40. The composition of claim 39, wherein said fatty chain is a pendant chain.

41. The composition of claim 39, wherein said fatty chain is a terminal chain.

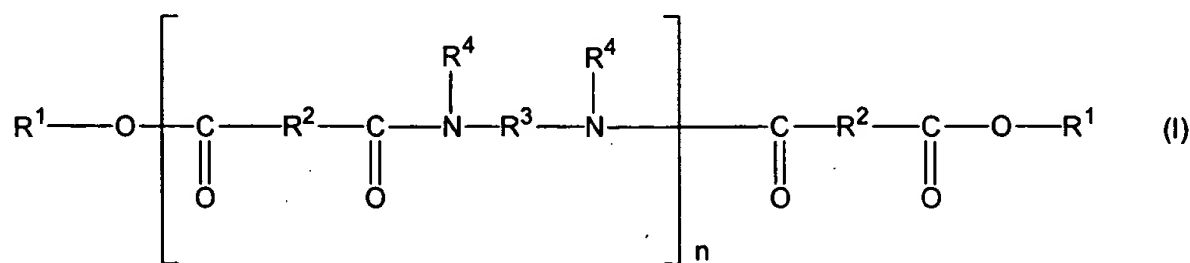
42. The composition of claim 41, wherein said fatty chain is bonded to said polymer skeleton via an ester group.

43. The composition of claim 38, wherein said structuring agent comprises a plurality of fatty chains, including a terminal fatty chain.

44. The composition of claim 38, wherein said fatty chain is functionalized.

45. The composition of claim 38, wherein said polymer skeleton is a polyamide.

46. The composition of claim 45, wherein said structuring agent is chosen from polyamide polymers of formula (I):



wherein:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;

- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

47. A method for care, make-up or treatment of a keratin material, comprising applying to the keratin material a composition comprising a structuring agent comprising a polymer skeleton having a hydrocarbon-based repeating unit comprising at least one hetero atom; a liquid fatty phase; a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and a swelling agent for the powder.

48. The method of claim 47, wherein the keratin material comprises lips.

49. The method of claim 47, wherein the keratin material comprises skin.

50. The method of claim 47, wherein the keratin material comprises keratinous fibers.

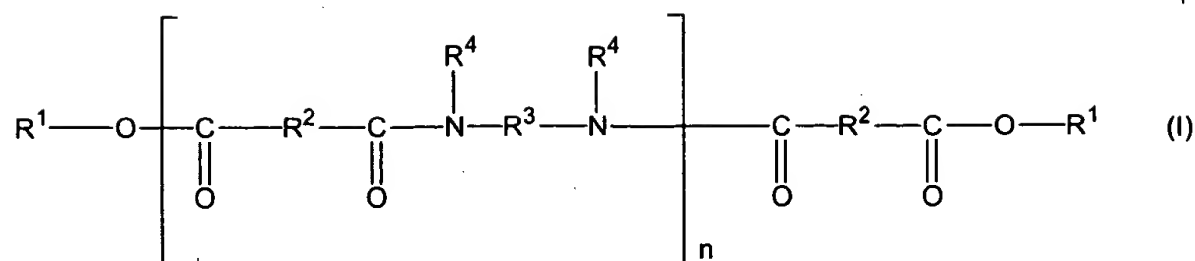
51. The method of claim 47, wherein the structural agent comprises a polyamide bonded to a fatty chain via an ester group, the swelling agent comprises a dimethicone, and the silicone resin comprises a polyorganosilsesquioxane.

52. The method of claim 47, wherein the composition further comprises a liquid phase comprising a liquid fatty phase and a swelling agent.



PENDING CLAIMS  
Application No. 10/747,412  
Attorney Docket No. 05725.1338-02000  
Filed: December 22, 2003

1. A cosmetic composition, comprising: a structuring agent comprising a polymer skeleton having a hydrocarbon-based repeating unit comprising at least one hetero atom; a liquid fatty phase; a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and a swelling agent for said powder.
2. The cosmetic composition of claim 1, wherein said structuring agent further comprises at least one fatty chain bonded to said polymer skeleton.
3. The cosmetic composition of claim 2, wherein said fatty chain is a pendant chain.
4. The cosmetic composition of claim 2, wherein said fatty chain is a terminal chain.
5. The cosmetic composition of claim 4, wherein said fatty chain is bonded to said polymer skeleton via an ester group.
6. The cosmetic composition of claim 2, wherein said structuring agent comprises a plurality of fatty chains, including a terminal fatty chain.
7. The cosmetic composition of claim 2, wherein said fatty chain is functionalized.
8. The cosmetic composition of claim 1, wherein said polymer skeleton is a polyamide.
9. The cosmetic composition of claim 8, wherein said structuring agent is chosen from polyamide polymers of formula (I):



wherein:

- $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

10. The cosmetic composition of claim 1, wherein said swelling agent comprises linear or cyclic polydimethylsiloxane.

11. The cosmetic composition of claim 10, wherein said polydimethylsiloxane comprises a cyclomethicone.

12. The cosmetic composition of claim 10, wherein said polydimethylsiloxane comprises a dimethicone.

13. The cosmetic composition of claim 1 wherein said swelling agent comprises a phenylmethicone.

14. The cosmetic composition of claim 1 wherein said swelling agent comprises a fluorinated silicone.

15. The cosmetic composition of claim 1, wherein said silicone resin comprises a polyorganosilsesquioxane.

16. The cosmetic composition of claim 1, wherein said silicone elastomer core is unfunctionalized.

17. The cosmetic composition of claim 1, wherein said silicone elastomer core contains pendant functional groups.

18. The cosmetic composition of claim 17, wherein said functional groups comprise fluoroalkyl groups.

19. The cosmetic composition of claim 17, wherein said functional groups comprise phenyl groups.

20. The cosmetic composition of claim 1, wherein said structural agent comprises a polyamide bonded to a fatty chain via an ester group, said swelling agent

comprises a dimethicone, and said silicone resin comprises a polyorganosilsesquioxane.

21. The cosmetic composition of claim 1, wherein said liquid fatty phase comprises a polar oil, an apolar oil, or a mixture of said polar and apolar oils.

22. The cosmetic composition of claim 1, which is in the form of an emulsion.

23. The cosmetic composition of claim 22, further comprising an aqueous phase.

24. The cosmetic composition of claim 22, which is anhydrous.

25. The cosmetic composition of claim 1, further comprising a film-forming agent.

26. The cosmetic composition of claim 1, further comprising a wax.

27. The cosmetic composition of claim 1, further comprising a sunscreen agent.

28. The cosmetic composition of claim 1, further comprising an emulsifier.

29. The cosmetic composition of claim 1, further comprising a plasticizer.

30. The cosmetic composition of claim 1, further comprising an additive.

31. The cosmetic composition of claim 30, wherein the additive comprises a pigment.

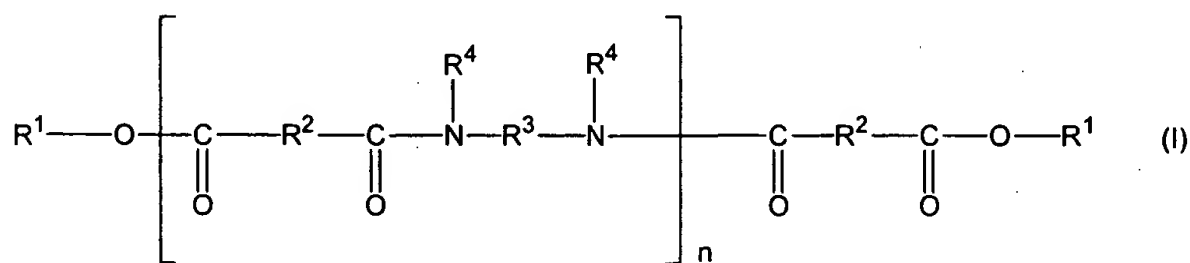
32. The cosmetic composition of claim 31, wherein said pigment is treated.

33. The cosmetic composition of claim 31, wherein said pigment is treated with an amino acid.

34. The cosmetic composition of claim 1, which is in the form of a solid, a paste, a gel or a cream.

35. The cosmetic composition of claim 1, which is in a molded form.

36. The cosmetic composition of claim 1, which is in the form of a stick or dish.
37. The cosmetic composition of claim 1, which is in the form of a powder.
38. A composition useful in the preparation of a cosmetic, comprising: a structuring agent comprising a polymer skeleton comprising a hydrocarbon-based repeating unit containing at least one hetero atom, and a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin.
39. The composition of claim 38, wherein said structuring agent further comprises at least one fatty chain bonded to said polymer skeleton.
40. The composition of claim 39, wherein said fatty chain is a pendant chain.
41. The composition of claim 39, wherein said fatty chain is a terminal chain.
42. The composition of claim 41, wherein said fatty chain is bonded to said polymer skeleton via an ester group.
43. The composition of claim 38, wherein said structuring agent comprises a plurality of fatty chains, including a terminal fatty chain.
44. The composition of claim 38, wherein said fatty chain is functionalized.
45. The composition of claim 38, wherein said polymer skeleton is a polyamide.
46. The composition of claim 45, wherein said structuring agent is chosen from polyamide polymers of formula (I):



wherein:

- $n$  is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- $R^1$ , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- $R^2$ , which are identical or different, are each chosen from  $C_4$  to  $C_{42}$  hydrocarbon-based groups with the proviso that at least 50% of all  $R^2$  are chosen from  $C_{30}$  to  $C_{42}$  hydrocarbon-based groups;
- $R^3$ , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that  $R^3$  comprises at least 2 carbon atoms; and
- $R^4$ , which are identical or different, are each chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R^3$  and another  $R^4$  such that when said at least one group is chosen from another  $R^4$ , the nitrogen atom to which both  $R^3$  and  $R^4$  are bonded forms part of a heterocyclic structure defined in part by  $R^4-N-R^3$ , with the proviso that at least 50% of all  $R^4$  are chosen from hydrogen atoms.

47. A method for care, make-up or treatment of a keratin material, comprising applying to the keratin material a composition comprising a structuring agent comprising a polymer skeleton having a hydrocarbon-based repeating unit comprising at least one



hetero atom; a liquid fatty phase; a silicone elastomer powder comprising a silicone elastomer core coated with a silicone resin; and a swelling agent for the powder.

48. The method of claim 47, wherein the keratin material comprises lips.

49. The method of claim 47, wherein the keratin material comprises skin.

50. The method of claim 47, wherein the keratin material comprises keratinous fibers.

51. The method of claim 47, wherein the structural agent comprises a polyamide bonded to a fatty chain via an ester group, the swelling agent comprises a dimethicone, and the silicone resin comprises a polyorganosilsesquioxane.

52. The method of claim 47, wherein the composition further comprises a liquid phase comprising a liquid fatty phase and a swelling agent.



PENDING CLAIMS  
Application No. Not Yet Assigned  
Attorney Docket No. 05725.1378-00000  
Filed: December 23, 2004

1. A composition comprising
  - i) at least one liquid fatty phase,
  - ii) at least one first polymer comprising
    - a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and
    - b) at least one of:
      - at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is bonded to the polymer skeleton via at least one ester linking group; and
      - at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one ester linking group, and
  - iii) at least one second polymer, different from the first polymer, comprising
    - a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and
    - b) at least one of:
      - at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is

bonded to the polymer skeleton via at least one amide linking group; and

- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one amide linking group,

wherein the second polymer does not comprise an ester linking group.

2. A composition according to claim 1, wherein the at least one first polymer further comprises at least one of:

- at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is bonded to the polymer skeleton via at least one linking group; and

- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one linking group.

3. A cosmetic composition comprising

i) at least one liquid fatty phase,

ii) at least one first polymer comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one of:

- at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain

is bonded to the polymer skeleton via at least one linking group; and

- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one linking group,

wherein the at least one first polymer and the at least one second polymer are each present in a sufficient amount to render the composition stable, and

wherein the at least one liquid fatty phase is structured by at least one of the at least one first polymer and the at least one second polymer.

4. The composition according to claim 1, wherein the at least one first polymer or at least one second polymer comprises at least one polyamide block or is a polyamide polymer.

5. The composition according to claim 1, wherein the at least one first polymer or at least one second polymer comprises at least one terminal fatty chain.

6. The composition according to claim 5, wherein the at least one terminal fatty chain is chosen from alkyl chains and alkenyl chains, each comprising at least four carbon atoms.

7. The composition according to claim 6, wherein the alkyl chains and the alkenyl chains each comprise from 12 to 68 carbon atoms.

8. The composition according to claim 1, wherein the at least one linking group of the at least one first polymer is an ester group present in a proportion ranging from 15%

to 40% of the total number of all ester and heteroatom groups in the at least one first polymer.

9. The composition according to claim 1, wherein the at least one linking group of the at least one first polymer is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and heteroatom groups in the at least one first polymer.

10. The composition according to claim 1, wherein in the at least one first polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one first polymer.

11. The composition according to claim 1, wherein in the at least one first polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one first polymer.

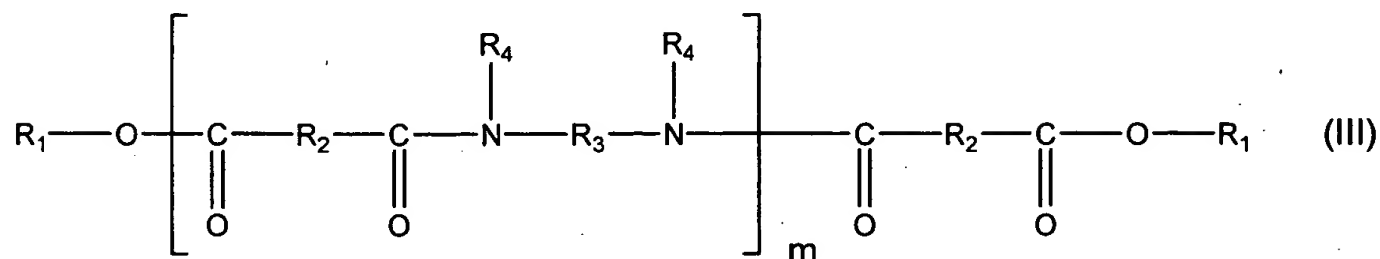
12. The composition according to claim 1, wherein the at least one hydrocarbon-based repeating unit of the first polymer comprises from 2 to 80 carbon atoms.

13. The composition according to claim 1, wherein the at least one heteroatom of the at least one hydrocarbon-based repeating unit of the at least one first polymer is chosen from nitrogen, sulfur, and phosphorus.

14. The composition according to claim 13, wherein the at least one heteroatom is a nitrogen atom.

15. The composition according to claim 1, wherein the at least one heteroatom of the at least one first polymer, taken together with at least one oxygen atom, forms an amide group.

16. The composition according to claim 1, wherein the at least one first polymer is chosen from polyamide polymers of formula (III):



wherein:

- m is an integer which represents the number of amide units such that the number of ester groups present in the at least one polyamide polymer ranges from 10% to 50% of the total number of all the ester groups and all the amide groups comprised in the at least one polyamide polymer;

- R<sub>1</sub>, which are identical or different, are each independently chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;

- R<sub>2</sub>, which are identical or different, are each independently chosen from C<sub>4</sub> to C<sub>42</sub> hydrocarbon-based groups, with the proviso that at least 50% of all R<sub>2</sub> groups are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon-based groups;

- R<sub>3</sub>, which may be identical or different, are each independently chosen from organic groups comprising at least two carbon atoms, in addition to hydrogen atoms, and optionally comprising at least one atom chosen from oxygen atoms and nitrogen atoms; and

- R<sub>4</sub>, which are identical or different, are each independently chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R<sub>3</sub> and another R<sub>4</sub> such that when the at least one group is chosen from another

R<sub>4</sub>, the nitrogen atom to which both R<sub>3</sub> and R<sub>4</sub> are bonded forms part of a heterocyclic structure defined in part by R<sub>4</sub>-N-R<sub>3</sub>, with the proviso that at least 50% of all R<sub>4</sub> are chosen from hydrogen atoms.

17. The composition according to claim 16, wherein m is an integer ranging from 1 to 5.

18. The composition according to claim 16, wherein R<sub>1</sub>, which are identical or different, are each chosen from C<sub>16</sub> to C<sub>22</sub> alkyl groups.

19. The composition according to claim 16, wherein R<sub>2</sub>, which are identical or different, are each chosen from C<sub>10</sub> to C<sub>42</sub> hydrocarbon based groups, with the proviso that at least 50% of all R<sub>2</sub> are chosen from C<sub>30</sub> to C<sub>42</sub> hydrocarbon based groups.

20. The composition according to claim 16, wherein R<sub>3</sub>, which are identical or different, are each chosen from C<sub>2</sub> to C<sub>12</sub> hydrocarbon-based groups.

21. The composition according to claim 16, wherein R<sub>4</sub>, which are identical or different, are each chosen from hydrogen atoms.

22. The composition according to claim 1, wherein the at least one first polymer has a weight-average molecular mass ranging from 1000 to 30,000.

23. The composition according to claim 1, wherein the at least one first polymer has a softening point greater than 50 °C and less than 150 °C.

24. The composition according to claim 1, wherein the at least one first polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

25. The composition according to claim 1, wherein the at least one second polymer is a resin composition prepared by reacting components comprising dibasic acid, diamine, polyol and monoalcohol, wherein:

- i) at least 50 equivalent percent of the dibasic acid comprises polymerized fatty acid;
- ii) at least 50 equivalent percent of the diamine comprises ethylenediamine;
- iii) 10 to 60 equivalent percent of the total of the hydroxyl and amine equivalents provided by diamine, polyol and monoalcohol are provided by monoalcohol; and
- iv) no more than 50 equivalent percent of the total of the hydroxyl and amine equivalents provided by diamine, polyol and monoalcohol are provided by polyol.

26. The composition of claim 25, wherein polymerized fatty acid comprises at least 75 equivalent percent of the acid equivalents of the dibasic acid.

27. The composition of claim 25, wherein polymerized fatty acid comprises at least 90 equivalent percent of the acid equivalents of the dibasic acid.

28. The composition of claim 25, wherein ethylenediamine comprises at least 75 equivalent percent of the amine equivalents from diamine.

29. The composition of claim 25, wherein polymerized fatty acid comprises at least 75 equivalent percent of the acid equivalents of the dibasic acid, and ethylenediamine comprises at least 75 equivalent percent of the amine equivalents of diamine.

30. The composition of claim 25, wherein the monoalcohol reactant comprises an alcohol of the formula  $R_3\text{-OH}$  and  $R_3$  is a hydrocarbon group.

31. The composition of claim 30, wherein  $R_3$  is chosen from alkyl and aralkyl groups.



32. The composition of claim 25, wherein the monoalcohol is chosen from decanol, 1-dodecanol, tetradecanol, hexadecanol, octadecanol (stearyl alcohol), behenyl alcohol and linear wax alcohols comprising from 22 to 70 carbon atoms.

33. The composition of claim 25, wherein the polyol is of the formula  $R_4-(OH)_n$  wherein  $R_4$  is an n-valent organic group.

34. The composition of claim 33, wherein  $R_4$  is a  $C_2$ - $C_{20}$  organic group without hydroxyl substitution.

35. The composition of claim 33, wherein n is chosen from 2, 3, 4, 5 and 6.

36. The composition of claim 25, wherein the polyol is chosen from ethylene glycol, propylene glycol, butylene glycol, glycerol, trimethylolpropane, pentaerythritol, neopentyl glycol, tris(hydroxymethyl)methanol, di-pentaerythritol, and tri-pentaerthritol.

37. The composition of claim 25, wherein the amine equivalents from diamine equal 0.3 to 0.75 of the total amine and hydroxyl equivalents provided by diamine, polyol and mono-alcohol.

38. The composition of claim 25, wherein the hydroxyl equivalents from polyol equal 0.05 to 0.45 of the total amine and hydroxyl equivalents provided by diamine, polyol and mono-alcohol.

39. The composition of claim 25, wherein the hydroxyl equivalents from mono-alcohol equal 0.20 to 0.45 of the total amine and hydroxyl equivalents provided by diamine, polyol and mono-alcohol.

40. The composition of claim 25, wherein the dibasic acid reactant comprises co-diacid chosen from 1,4-cyclohexane dicarboxylic acid, isophthalic acid, adipic acid, azeleic acid, sebacic acid, and dodecandioic acid.

41. The composition of claim 25, wherein the diamine reactant comprises co-diamine chosen from 1,6-hexanediamine, xylenediamine, 1,2-propanediamine, 2-methylpentamethylenediamine, and 1,12-dodecanediamine.

42. The composition according to claim 1, wherein the at least one second polymer is a structuring polymer for the liquid fatty phase.

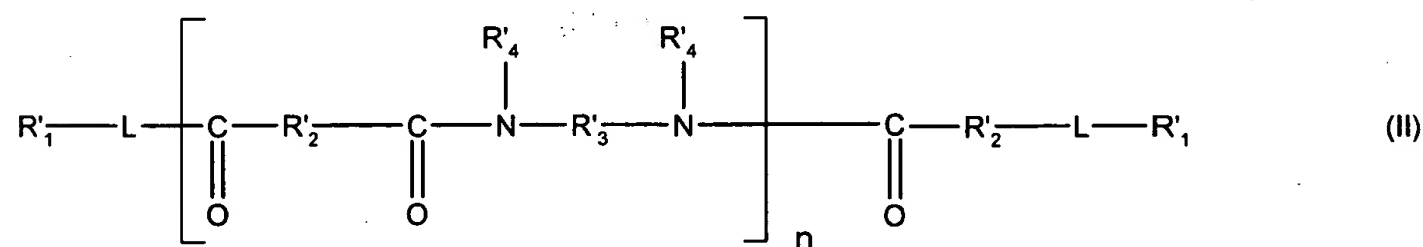
43. The composition according to claim 1, wherein the polymer skeleton of the at least one second polymer is a polyamide skeleton.

44. The composition according to claim 1, wherein the at least one second polymer comprises at least one terminal fatty chain bonded to the polymer skeleton via at least one linking group chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ether, amide, tertiary amide or secondary amide groups.

45. The composition according to claim 44, wherein the at least one second polymer comprises at least one terminal fatty chain bonded to the polymer skeleton via at least one ether group or polyether group.

46. The composition according to claim 44, wherein the at least one second polymer comprises at least one terminal fatty chain bonded to the polymer skeleton via at least one tertiary amide group.

47. The composition according to claim 44, wherein the second polymer is chosen from polyamide polymers of formula (II)



wherein:

n is an integer from 1 to 30,

R'<sub>1</sub>, which are identical or different, are each independently a fatty chain chosen from alkyl groups comprising at least one carbon atom and alkenyl groups comprising at least two carbon atoms;

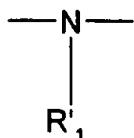
R'<sub>2</sub>, which are identical or different, are each independently chosen from C<sub>1</sub> to C<sub>52</sub> hydrocarbon diradicals;

R'<sub>3</sub>, which may be identical or different, are each independently chosen from organic groups comprising at least two carbon atoms, in addition to hydrogen atoms, and optionally comprising at least one atom chosen from oxygen atoms and nitrogen atoms;

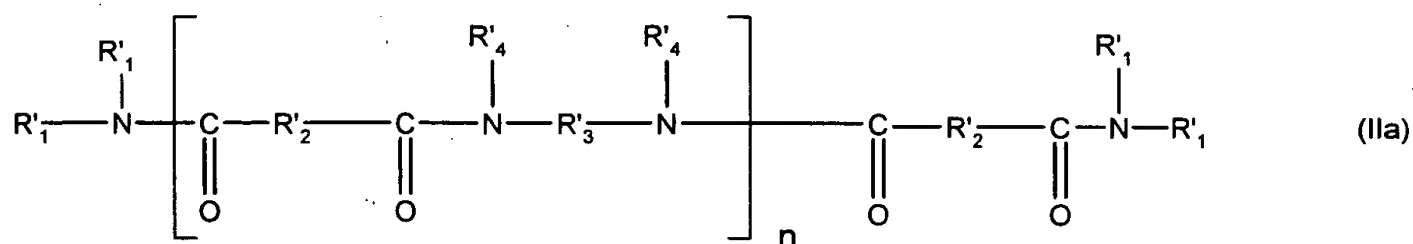
R'<sub>4</sub>, which are identical or different, are each independently chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyl groups and a direct bond to at least one group chosen from R'<sub>3</sub> and another R'<sub>4</sub>, such that when the at least one group is chosen from another R'<sub>4</sub>, the nitrogen atom to which both R'<sub>3</sub> and R'<sub>4</sub> are bonded forms part of a heterocyclic structure defined in part by R'<sub>4</sub>-N-R'<sub>3</sub>, with the proviso that at least 50% of all R'<sub>4</sub> are chosen from hydrogen atoms; and

L represents a linking group, which is substituted by at least one R'<sub>1</sub> group as defined above.

48. The composition according to claim 47, wherein the at least one second polymer is chosen from polyamide polymers of formula (II) wherein L is a group of formula:



4  
P



wherein:

n designates a number of repeating units such that terminal amide groups comprise from 10% to 50% of the total amide groups;

**R<sub>1</sub> at each occurrence is independently chosen from a C<sub>1-22</sub> hydrocarbon group;**

R'<sub>2</sub> at each occurrence is independently chosen from a C<sub>2-42</sub> hydrocarbon group;

R'<sub>3</sub> at each occurrence is independently chosen from an organic group comprising at least two carbon atoms in addition to hydrogen atoms, and optionally comprising at least one atom chosen from oxygen and nitrogen atoms; and

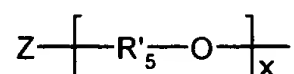
R<sub>4</sub> at each occurrence is independently chosen from hydrogen, C<sub>1-10</sub> alkyl and a direct bond to R<sub>3</sub> or another R<sub>4</sub> such that the N atom to which R<sub>3</sub> and R<sub>4</sub> are both bonded is part of a heterocyclic structure defined in part by R<sub>4</sub>—N—R<sub>3</sub>.

50. The composition of claim 49, wherein R'<sub>1</sub>, at each occurrence, is independently chosen from a C<sub>4</sub>-C<sub>22</sub> hydrocarbon group.

51. The composition of claim 49, wherein R'<sub>2</sub>, at each occurrence, is independently chosen from a C<sub>4</sub>-C<sub>42</sub> hydrocarbon group.

52. The composition of claim 49, wherein R'<sub>3</sub>, at each occurrence, is independently chosen from a C<sub>2</sub>-C<sub>42</sub> hydrocarbon group, where at least 50% of the R'<sub>2</sub> groups comprise from 30 to 42 carbon atoms.

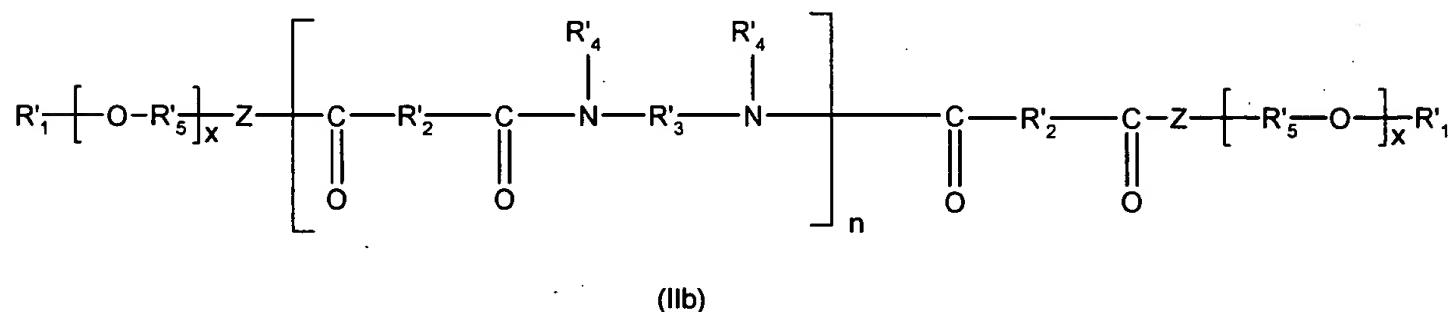
53. The composition according to claim 47, wherein the at least one second polymer is chosen from polyamide polymers of formula (II), wherein L is a group of formula:



wherein

- R'<sub>5</sub> is chosen from C<sub>2</sub>-C<sub>6</sub> hydrocarbon diradicals;
- Z is chosen from O and NH; and
- x is an integer ranging from 2 to 100.

54. The composition according to claim 53, wherein the at least one second polymer is chosen from polyamide polymers of formula (IIb):



wherein

R'<sub>1</sub>, which are identical or different, are each independently chosen from C<sub>1</sub>-C<sub>22</sub> alkyl and C<sub>1</sub>-C<sub>22</sub> alkylene radicals;

Z are chosen from O and NH;

x is an integer ranging from 2 to 100;

R'<sub>2</sub>, which are identical or different, are each independently chosen from C<sub>2</sub> to C<sub>52</sub> hydrocarbon diradicals, wherein at least 50% of the R'<sub>2</sub> comprise at least 34 carbon atoms;

R'<sub>3</sub>, which are identical or different, are each independently chosen from C<sub>2</sub>-C<sub>36</sub> hydrocarbon diradicals and C<sub>4</sub>-C<sub>100</sub> polyether diradicals;

$R'_4$ , which are identical or different, are each independently chosen from hydrogen atoms,  $C_1$  to  $C_{10}$  alkyl groups and a direct bond to at least one group chosen from  $R'_3$  and another  $R'_4$  such that when at least one group is chosen from another  $R'_4$ , the nitrogen atom to which both  $R'_3$  and  $R'_4$  are bonded forms part of a heterocyclic structure defined in part by  $R'_4-N-R'_3$ , with the proviso that at least 50% of all  $R'_4$  are chosen from hydrogen atoms;

$R'_5$  are chosen from  $C_2$ - $C_6$  hydrocarbon diradicals; and

$n$  is an integer ranging from 1 to 10.

55. The composition according to claim 54, wherein  $Z$  is  $NH$ .

56. The composition according to claim 54, wherein  $R'_5$  is a  $C_2$  hydrocarbon diradical.

57. The composition according to claim 54, wherein at least 80% of the  $R'_2$  diradicals comprise at least 34 carbon atoms.

58. The composition according to claim 54, wherein the  $R'_3$  group is a polyether.

59. The composition according to claim 1, wherein the at least one first polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

60. The composition according to claim 59, wherein the at least one first polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

61. The composition according to claim 60, wherein the at least one first polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

62. The composition according to claim 61, wherein the at least one first polymer is present in the composition in an amount ranging from 5% to 25% by weight relative to the total weight of the composition.

63. The composition according to claim 62, wherein the at least one first polymer is present in the composition in an amount ranging from 5% to 15% by weight relative to the total weight of the composition.

64. The composition according to claim 1, wherein the at least one second polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

65. The composition according to claim 64, wherein the at least one second first polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

66. The composition according to claim 65, wherein the at least one second first polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

67. The composition according to claim 66, wherein the at least one second first polymer is present in the composition in an amount ranging from 5% to 25% by weight relative to the total weight of the composition.

68. The composition according to claim 67, wherein the at least one second first polymer is present in the composition in an amount ranging from 5% to 15% by weight relative to the total weight of the composition.

69. A composition according to claim 1, wherein the ratio of the at least one first polymer to the at least one second polymer ranges from 1/10 to 10/1.

70. A composition according to claim 69, wherein the ratio of the at least one first polymer to the at least one second polymer ranges from 1/5 to 5/1.

71. A composition according to claim 70, wherein the ratio of the at least one first polymer to the at least one second polymer ranges from 1/2 to 4/1.

72. A composition according to claim 71, wherein the ratio of the at least one first polymer to the at least one second polymer is 1/1.

73. A composition according to claim 70, wherein the ratio of the at least one first polymer to the at least one second polymer ranges from 4/1 to 5/1.

74. A composition according to claim 71, wherein the ratio of the at least one first polymer and the at least one second polymer is 3/1.

75. A composition according to claim 1, wherein the at least one first polymer has a softening point from 70 °C to 100 °C.

76. A composition according to claim 1, wherein the at least one second polymer has a softening point from 80 °C to 110 °C.

77. A composition according to claim 1, wherein the composition is free of wax.

78. The composition according claim 1, wherein the at least one liquid fatty phase of the composition comprises at least one oil chosen from at least one polar oil and at least one apolar oil, and wherein the at least one oil has an affinity for the at least one first polymer.

79. The composition according to claim 78, wherein the at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol, wherein the fatty acids comprise chains comprise



from 4 to 24 carbon atoms, said chains being optionally chosen from linear and branched, and saturated and unsaturated chains;

- synthetic oils or esters of formula  $R_5COOR_6$ , wherein  $R_5$  is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms, and  $R_6$  is chosen from alkyl groups comprising from 1 to 40 carbon atoms, with the proviso that  $R_5 + R_6 \geq 10$ ;
- synthetic ethers comprising from 10 to 40 carbon atoms;
- $C_8$  to  $C_{26}$  fatty alcohols; and

80.-  $C_8$  to  $C_{26}$  fatty acids. The composition according to claim 78, wherein the at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups, wherein each alkyl or alkoxy group is independently chosen from being pendant and being at the end of the silicone chain, and wherein the groups each comprise from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

81. The composition according to claim 1, wherein the composition comprises at least one coloring agent chosen from pigments and dyes.

82. The composition according to claim 1, wherein the composition is in the form of a cosmetic composition.

83. The composition according to claim 82, wherein the composition is in the form of a treating shampoo product, a hair conditioning product, a sunscreen product, or a skin care formula.

84. The composition according to claim 82, wherein the composition is in the form of a colored make-up product for the skin, an eyeshadow, a concealer, an eyeliner, a make-up for the body, a nail varnish, a make-up for the lips, a make-up for eyelashes, and a make-up for the eyebrows.

85. The composition according to claim 84, wherein a make-up for the lips is chosen from lipgloss and lipstick.

86. The composition according to claim 1, wherein the composition is in a form chosen from an emulsion, an oil-in-water emulsion, a water-in-oil emulsion, an oil-in-water-in-oil emulsion, a water-in-oil-in-water emulsion, a solid gel, a supple gel, and an anhydrous composition.

87. A make-up composition comprising

i) at least one liquid fatty phase:

ii) at least one first polymer comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one terminal fatty chain that is bonded to the polymer skeleton via at least one ester linking group; and

iii) at least one second polymer comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one terminal fatty chain that is bonded to the polymer skeleton via at least one linking group different from an ester group.

88. The composition according to claim 87, wherein the composition is in the form of a lipstick.

89. A method for care or make up of a keratin material chosen from lips, skin, and keratinous fibers, comprising applying to the keratin material a cosmetic composition comprising

i) at least one liquid fatty phase,

ii) at least one first polymer comprising a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

iii) at least one second polymer, different from the first polymer, comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one of:

- at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is bonded to the polymer skeleton via at least one linking group; and
- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one linking group,

wherein the at least one first polymer and the at least one second polymer are each present in a sufficient amount to render the composition stable, and

wherein the at least one liquid fatty phase is structured by at least one of the at least one first polymer and the at least one second polymer.

90. A method for providing stability to a cosmetic composition comprising at least one liquid fatty phase, comprising including in the cosmetic composition:

ii) at least one first polymer comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one of:

- at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is bonded to the polymer skeleton via at least one linking group; and
- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one linking group, and

iii) at least one second polymer, different from the first polymer, comprising

a) a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one heteroatom, and

b) at least one of:

- at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one terminal fatty chain is bonded to the polymer skeleton via at least one linking group; and

- at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein the at least one pendant fatty chain is bonded to the polymer skeleton via at least one linking group.

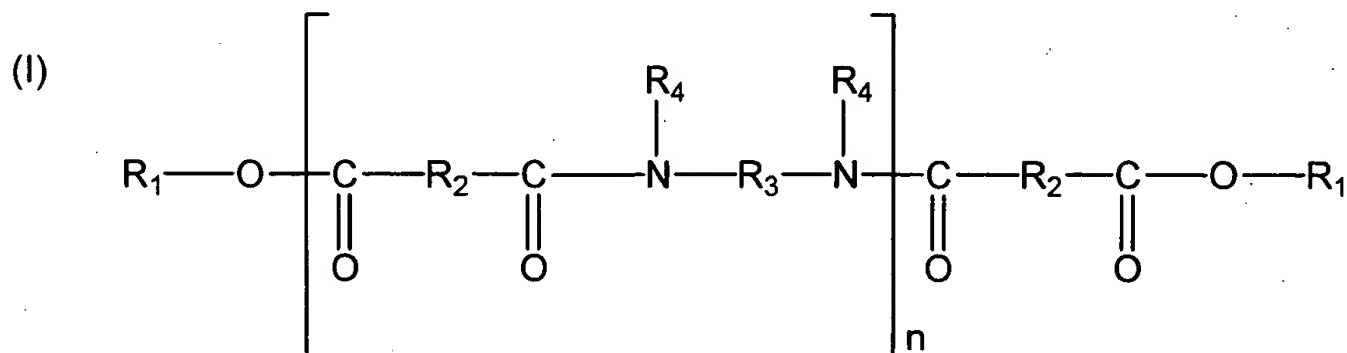


PENDING CLAIMS  
Application No. 10/203,375  
Attorney Docket No. 06028.0018  
Filed: August 9, 2002

19. A transparent or translucent colored cosmetic composition for making up at least one of skin, lips and superficial body growths, comprising a bulk transparent or translucent cosmetic base and at least one coloring agent in an amount such that the transmission of a 10  $\mu\text{m}$  layer of the composition measured at a wavelength of a maximum of an absorption or scattering peak of the coloring agent ranges from 20% to 80%.
20. The colored cosmetic composition according to claim 19, wherein the transparent or translucent cosmetic base is a substantially colorless base.
21. The colored cosmetic composition according to claim 19, wherein the cosmetic base is chosen from aqueous gels and oily gels.
22. The colored cosmetic composition according to claim 21, wherein the gel is in stick form.
23. The colored cosmetic composition according to claim 19, wherein the base is an anhydrous gel formed from a fatty phase which is liquid at ambient temperature comprising an oil chosen from polar oils and nonpolar oils, wherein the fatty phase is structured by a gelling agent for fatty phases which is chosen from at least

one of hydrophobic pyrogenic silicas, gelling polyamides, and hydrophobic galactomannans.

24. The colored cosmetic composition according to claim 23, wherein the gelling polyamide corresponds to the formula (I):



in which n represents a whole number such that the number of ester groups ranges from 10% to 50% of the total number of the ester and amide groups;

R<sub>1</sub>, which may be identical or different, represents a group chosen from alkyls having at least 4 carbon atoms and alkenyls having at least 4 carbon atoms;

R<sub>2</sub>, which may be identical or different, represents a C<sub>4</sub> to C<sub>42</sub> hydrocarbonaceous group, provided that 50% of the R<sub>2</sub> groups represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbonaceous group;

R<sub>3</sub>, which may be identical or different, represents an organic group having at least 2 carbon atoms, hydrogen atoms, and optionally at least one atom chosen from oxygen atoms and nitrogen atoms; and

R<sub>4</sub>, which may be identical or different, represents a group chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyls, optionally directly bonded to R<sub>3</sub> or to another R<sub>4</sub>, so that the nitrogen atom to which both R<sub>3</sub> and R<sub>4</sub> are bonded forms part of a heterocyclic structure defined by R<sub>4</sub>-N-R<sub>3</sub>, with at least 50% of the R<sub>4</sub> groups representing a hydrogen atom.

25. The colored cosmetic composition according to claim 24, wherein  $R_1$ , which may be identical or different, represents a group chosen from alkyls having 4 to 24 carbon atoms and alkenyls having 4 to 24 carbon atoms.

26. The colored cosmetic composition according to claim 19, wherein the coloring agent is chosen from at least one of water-soluble dyes, fat-soluble dyes, pigments, pearlescence agents, and lakes.

27. The colored cosmetic composition according to claim 26, wherein the water-soluble dye is chosen from at least one of extracts of sorghum, *Pterocarpus soyauxii*, *Monascus*, *Lawsonia inermis*, *Mercurialis perenis*, *Helianthus aanus*, *Impatiens balsamina*, *Curcuma longa*, *Phytolacca decandra*, *Solidago aureus*, *Juglans regia*, *Iris germanica*, *Alkanna tinctoria*, *Chrozophoro tinctoria*, and *Isatis tinctoria*.

28. The colored cosmetic composition according to claim 26, wherein the fat-soluble dye is chosen from at least one of Sudan red III, lutein, quinizarin green, alizural purple SS, carotenoid derivatives, annatto derivatives, and fuchsin derivatives.

29. The colored cosmetic composition according to claim 28, wherein the carotenoid derivative is chosen from lycopene,  $\beta$ -carotene, bixin, and capsantein.



30. The colored cosmetic composition according to claim 26, wherein the pigment is chosen from at least one of white inorganic pigments, colored inorganic pigments, white coated inorganic pigments, colored coated inorganic pigments, white organic pigments, and colored organic pigments.

31. (Cancelled)

32. The colored cosmetic composition according to claim 26, wherein the pearlescence agent is chosen from mica covered with at least one of titanium oxide and bismuth oxychloride and titanium oxide-coated mica covered with at least one of iron oxide, ferric blue, chromium oxide, and precipitated organic pigments.

33. The colored cosmetic composition according to claim 26, wherein the lake is chosen from at least one of lakes based on cochineal carmine, lakes based on at least one of calcium salts, barium salts, aluminum salts, strontium salts, and zirconium salts, and lakes based on acid dyes.

34. The colored cosmetic composition according to claim 26, wherein the composition comprises at least one dye chosen from water-soluble dyes and fat-soluble dyes, wherein the dye is soluble in the cosmetic base.

35. The colored cosmetic composition according to claim 34, wherein the composition comprises, as the coloring agent, at least one dye which is soluble in the

cosmetic base and wherein the composition is devoid of insoluble coloring agents chosen from pigments, pearlescence agents, and lakes.

36. The colored cosmetic composition according to claim 34, wherein the cosmetic base is a lipophilic base and wherein the composition comprises at least one lipophilic dye which is soluble in the lipophilic base.

37. The colored cosmetic composition according to claim 19, wherein the coloring agent is present in an amount such that the transmission of the 10  $\mu\text{m}$  layer of the composition measured at the wavelength of the maximum of the absorption or scattering peak of the coloring agent ranges from 25% to 80%.

38. The colored cosmetic composition according to claim 19, wherein the amount of coloring agent ranges from 0.05% to 3% by weight with respect to the total weight of the composition.

39. The colored cosmetic composition according to claim 19, wherein the amount of coloring agent ranges from 0.1% to 1% by weight with respect to the total weight of the composition.

40. The colored cosmetic composition according to claim 19, wherein the composition is chosen from anhydrous lipstick forms and anhydrous foundation forms.

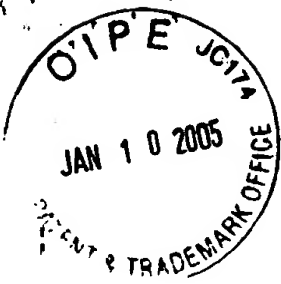
41. A process for the preparation of a transparent or translucent colored cosmetic composition for making up skin, lips and superficial body growths, comprising a bulk transparent or translucent cosmetic base and at least one coloring agent in an amount such that the transmission of a 10  $\mu\text{m}$  layer of the composition measured at a wavelength of a maximum of an absorption or scattering peak of the coloring agent ranges from 20% to 80%, wherein the process comprises:

- (1) selecting the cosmetic base,
- (2) preparing a series of samples of the cosmetic base comprising increasing amounts of the coloring agent dissolved or dispersed in the cosmetic base,
- (3) spreading each of the samples thus prepared over a translucent slide having a recess with depth of 10 $\mu\text{m}$ ,
- (4) optionally leveling the sample so as to obtain an even layer with a thickness of 10 $\mu\text{m}$ ,
- (5) measuring, for each of the samples, the transmission of the layer at the wavelength corresponding to the maximum of the absorption or scattering peak ( $\lambda_{\text{max}}$ ) of the coloring agent,
- (6) plotting a calibration curve wherein the values of the transmission at ( $\lambda_{\text{max}}$ ) is a function of the concentration of the coloring agent, and
- (7) incorporating the at least one coloring agent in a transparent or translucent cosmetic base which is identical or different from that selected in step (1) above and which is in a liquid state, the at least one coloring agent being incorporated in the cosmetic base in an amount which, according to the calibration curve prepared for each coloring agent, results in a transmission at 10 $\mu\text{m}$  of ranging from 20% to 80%.

42. The process as claimed in claim 41, wherein the transmission in step (7) ranges from 25% to 80%.

43. The colored cosmetic composition according to claim 30, wherein the pigment is chosen from at least one of titanium dioxide, zirconium dioxide, cerium dioxide, zinc oxide, iron oxide, chromium oxide, ferric blue, chromium hydrate, carbon black, ultramarines, manganese violet, manganese pyrophosphate, and metal powders.

44. The colored cosmetic composition as claimed in claim 43, wherein the metal powder is chosen from silver powders and aluminum powders.



PENDING CLAIM  
Application No. 10/203,374  
Attorney Docket No. 06028.0019  
Filed: August 9, 2002

17. A process for making a colored make-up cosmetic composition which produces a transparent or translucent colored coat on at least one of the skin, lips and superficial body growths, comprising the following successive steps:

- (1) selecting a cosmetically acceptable base having at least one of bulk opaqueness, translucency and transparency,
- (2) preparing at least one series of samples of the cosmetic base, each series comprising increasing amounts of a coloring agent dissolved or dispersed in the cosmetically acceptable base,
- (3) spreading each of the samples of the at least one series over a transparent slide having a recess with a depth of 10  $\mu\text{m}$ ,
- (4) measuring, for each of the samples of the at least one series, the transmission of the layer thus formed at a wavelength corresponding to the maximum of the absorption or scattering peak ( $\lambda_{\text{max}}$ ) of the coloring agent,
- (5) drawing a calibration curve by plotting the values of the transmission at  $\lambda_{\text{max}}$  as a function of the concentration of the coloring agent,
- (6) selecting, from the calibration curve thus obtained, a concentration of the coloring agent corresponding to a transmission at  $\lambda_{\text{max}}$  ranging from 20% to 80%, and

(7) incorporating the at least one coloring agent from the at least one series, at the concentration selected in step (6), in a cosmetic base in the liquid state and identical to or different from that used in step (1).

18. The process according to claim 17, wherein, in step (6), the concentration of the coloring agent corresponding to a transmission at  $\lambda_{\max}$  ranging from 25% to 80% is selected from the calibration curve.

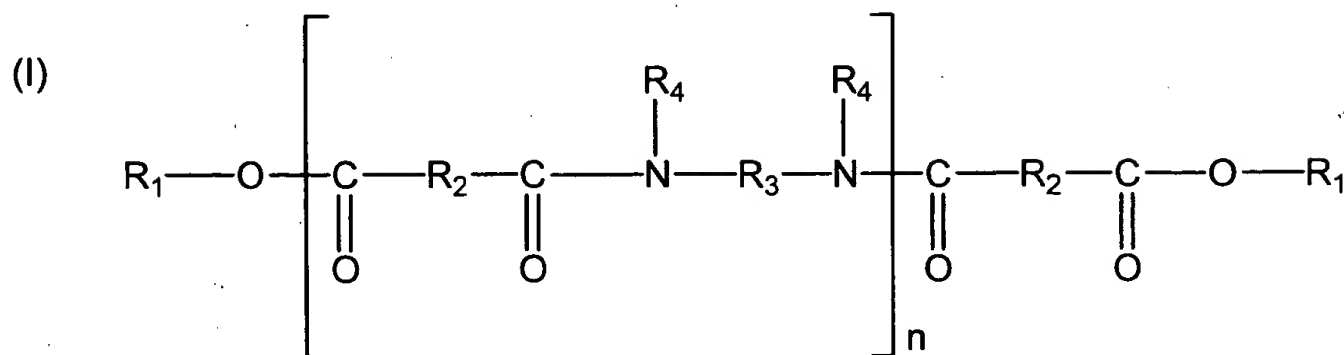
19. The process according to claim 17, wherein the cosmetically acceptable base is a substantially colorless base.

20. The process according to claim 17, wherein the cosmetically acceptable base is chosen from aqueous gels and oily gels.

21. The process according to claim 20, wherein the gel is in stick form.

22. The process according to claim 17, wherein the cosmetically acceptable base is an anhydrous gel formed from a fatty phase which is liquid at ambient temperature comprising an oil chosen from polar oils and nonpolar oils, wherein the fatty phase is structured by a gelling agent for fatty phases which is chosen from at least one of hydrophobic pyrogenic silicas, gelling polyamides, and hydrophobic galactomannans.

23. The process according to claim 22, wherein the gelling polyamide corresponds to the formula (I):



in which n represents a whole number such that the number of ester groups ranges from 10% to 50% of the total number of the ester and amide groups;

R<sub>1</sub>, which may be identical or different, represents a group chosen from alkyls having at least 4 carbon atoms and alkenyls having at least 4 carbon atoms;

R<sub>2</sub>, which may be identical or different, represents a C<sub>4</sub> to C<sub>42</sub> hydrocarbonaceous group, provided that 50% of the R<sub>2</sub> groups represent a C<sub>30</sub> to C<sub>42</sub> hydrocarbonaceous group;

R<sub>3</sub>, which may be identical or different, represents an organic group having at least 2 carbon atoms, hydrogen atoms, and optionally at least one atom chosen from oxygen atoms and nitrogen atoms; and

R<sub>4</sub>, which may be identical or different, represents a group chosen from hydrogen atoms, C<sub>1</sub> to C<sub>10</sub> alkyls, optionally directly bonded to R<sub>3</sub> or to another R<sub>4</sub>, so that the nitrogen atom to which both R<sub>3</sub> and R<sub>4</sub> are bonded forms part of a heterocyclic structure defined by R<sub>4</sub>-N-R<sub>3</sub>, with at least 50% of the R<sub>4</sub> groups representing a hydrogen atom.

24. The process according to claim 23, wherein each  $R_1$ , which may be identical or different, is chosen from alkyls having 4 to 24 carbon atoms and alkenyls having 4 to 24 carbon atoms.

25. The process according to claim 22, wherein the modified clay is a hectorite modified by a  $C_{12}$ - $C_{22}$  fatty acid ammonium chloride.

26. The process according to claim 17, wherein the coloring agent is chosen from at least one of water-soluble dyes, fat soluble dyes, pigments, pearlescence agents, and lakes.

27. The process according to claim 26, wherein the water-soluble dye is chosen from at least one of extracts of sorghum, *Pterocarpus soyauxii*, *Monascus*, *Lawsonia inermis*, *Mercurialis perenis*, *Helianthus aanus*, *Impatiens balsamina*, *Curcuma longa*, *Phytolacca decandra*, *Solidago aureus*, *Juglans regia*, *Iris germanica*, *Alkanna tinctoria*, *Chrozophoro tinctoria*, and *Isatis tinctoria*.

28. The process according to claim 26, wherein the fat-soluble dye is chosen from at least one of Sudan red III, lutein, quinizarin green, alizural purple SS, carotenoid derivatives, annatto derivatives, and fuchsin derivatives.



29. The process according to claim 28, wherein the carotenoid derivative is chosen from lycopene,  $\beta$ -carotene, bixin, and capsantein.

30. The process according to claim 26, wherein the pigment is chosen from at least one of white inorganic pigments, colored inorganic pigments, white coated inorganic pigments, white organic pigments, colored coated inorganic pigments, and colored organic pigments.

31. (Cancelled)

32. The process according to claim 26, wherein the pearlescence agent is chosen from mica covered with at least one of titanium oxide and bismuth oxychloride and titanium oxide-coated mica covered with at least one of iron oxide, ferric blue, chromium oxide, and precipitated organic pigments.

33. The process according to claim 26, wherein the lake is chosen from at least one of lakes based on cochineal carmine, lakes based on at least one of calcium salts, barium salts, aluminum salts, strontium salts, and zirconium salts, and lakes based on acid dyes.

34. The process according to claim 17, wherein the process comprises, between steps (3) and (4), an additional step comprising leveling the excess of the sample so as to obtain a layer with a homogenous thickness of 10  $\mu\text{m}$ .

35. The process according to claim 17, wherein the transparent slide is a quartz slide.

36. A colored make-up cosmetic composition with controlled transmission prepared according to a process comprising the following successive steps:

- (1) selecting a cosmetically acceptable base having at least one of bulk opaqueness, translucency and transparency,
- (2) preparing at least one series of samples of the cosmetic base, each series comprising increasing amounts of a coloring agent dissolved or dispersed in the cosmetically acceptable base,
- (3) spreading each of the samples of the at least one series over a transparent slide having a recess with a depth of 10  $\mu\text{m}$ ,
- (4) measuring, for each of the samples of the at least one series, the transmission of the layer thus formed at a wavelength corresponding to the maximum of the absorption or scattering peak ( $\lambda_{\text{max}}$ ) of the coloring agent,
- (5) drawing a calibration curve by plotting the values of the transmission at  $\lambda_{\text{max}}$  as a function of the concentration of the coloring agent,
- (6) selecting, from the calibration curve thus obtained, a concentration of the coloring agent corresponding to a transmission at  $\lambda_{\text{max}}$  ranging from 20% to 80%, and

(7) incorporating at least one second coloring agent from the at least one series, at the concentration selected in step (6), in a second cosmetic base in a liquid state identical to or different from that used in step (1).

37. The process according to claim 30, wherein the pigment is chosen from at least one of titanium dioxide, zirconium dioxide, cerium dioxide, zinc oxide, iron oxide, chromium oxide, ferric blue, chromium hydrate, carbon black, ultramarines, manganese violet, manganese pyrophosphate, and metal powders.

38. The process according to claim 31, wherein the metal powder is chosen from silver powders and aluminum powders.